CATERPILLAR®

SEBP3245
February 2001

# Parts Manual

SIS

See "General Information" for New Parts Manual Features.

## D8R Track-Type Tractor
### Differential Steering

AKA1-Up (Machine)
BET1-Up (Engine)
6GY1-Up (Transmission)
3MP1-Up (Bulldozer)
BHR1-Up (Bulldozer)
BHW1-Up (Bulldozer)
CXB1-Up (Bulldozer)
CXL1-Up (Bulldozer)
BHD1-Up (Ripper)
CJA1-Up (Torque Converter)

**Powered By 3406E Engine**

# Product and Dealer Information

**Note:** For product identification plate locations, see the section "Product Identification Information" in the Operation and Maintenance Manual.

**Delivery Date:** ____________________

## Product Information

Model: ____________________

Product Identification Number: ____________________

Engine Serial Number: ____________________

Transmission Serial Number: ____________________

Generator Serial Number: ____________________

Attachment Serial Numbers: ____________________

Attachment Information: ____________________

Customer Equipment Number: ____________________

Dealer Equipment Number: ____________________

## Dealer Information

Name: ____________________ Branch: ____________________

Address: ____________________

____________________

____________________

| | Dealer Contact | Phone Number | Hours |
|---|---|---|---|
| Sales: | | | |
| Parts: | | | |
| Service: | | | |

# Informations produit et concessionnaire

**Nota:** Voir l'emplacement de la plaque signalétique du produit au chapitre “Informations produit” du guide d'utilisation et d'entretien.

**Date de livraison:** ____________________

## Informations produit

Modèle: ____________________

Numéro d'identification produit: ____________________

Numéro de série du moteur: ____________________

Numéro de série de la boîte de vitesses: ____________________

Numéro de série de l'alternateur: ____________________

Numéros de série d'équipement: ____________________

Informations sur l'équipement: ____________________

Numéro matériel client: ____________________

Numéro matériel concessionnaire: ____________________

## Informations concessionnaire

Nom: ____________________ Agence: ____________________

Adresse: ____________________

____________________

____________________

| | Contact concessionnaire | Numéro de téléphone | Heures |
|---|---|---|---|
| Ventes: | | | |
| Pièces: | | | |
| Service: | | | |

# Información del Producto/Distribuidor

**Nota:** Para saber la ubicación de las placas de identificación del producto, ver la sección “Información sobre identificación del producto” en el Manual de Operación y Mantenimiento.

**Fecha de entrega:** ______________________

## Información del producto

Modelo: ______________________

Número de identificación del producto: ______________________

Número de serie del motor: ______________________

Número de serie de la transmisión: ______________________

Número de serie del generador: ______________________

Números de serie de los accesorios: ______________________

Información sobre los accesorios: ______________________

Número del equipo del cliente: ______________________

Número del equipo del distribuidor: ______________________

## Información del distribuidor

Nombre: ______________________ Sucursal: ______________________

Dirección: ______________________

______________________

______________________

| | Comunicación con el distribuidor | Número de teléfono | Horas |
|---|---|---|---|
| Ventas: | | | |
| Piezas: | | | |
| Servicio: | | | |

# Informações Sobre Produto e Revendedor

**Nota:** Para localizações da placa de identificação do produto, consulte a seção, “Informações Sobre Identificação do Produto” no Manual de Operação e Manutenção.

**Data de Entrega:** ____________________

## Informações Sobre o Produto

Modelo: ____________________

Número de Identificação do Produto: ____________________

Número de Série do Motor: ____________________

Número de Série da Transmissão: ____________________

Número de Série do Gerador: ____________________

Números de Série de Acessórios: ____________________

Informações Sobre Acessórios: ____________________

Número do Equipamento do Cliente: ____________________

Número do Equipamento do Revendedor: ____________________

## Informações Sobre o Revendedor

Nome: ____________________ Filial: ____________________

Endereço: ____________________

____________________

____________________

| | Contato do Revendedor | Telefone | Horas |
|---|---|---|---|
| Vendas: | | | |
| Peças: | | | |
| Serviço: | | | |

# Produkt- und Händlerinformation

**Anmerkung:** Für die Lage der Produkt-Identnummer und Seriennummern siehe Abschnitt “Produkt-Identinformation” im Betriebs- und Wartungshandbuch.

**Lieferdatum:** ____________________

## Produkt-Identinformation

Modell: ____________________

Produkt-Identnummer: ____________________

Seriennummer des Motors: ____________________

Seriennummer des Getriebes: ____________________

Seriennummer des Generators: ____________________

Seriennummern der Arbeitsgeräte: ____________________

Arbeitsgeräteinformation: ____________________

Kundennummer: ____________________

Händlernummer: ____________________

## Händlerinformation

Name: ____________________ Niederlassung: ____________________

Adresse: ____________________

____________________

____________________

| | Kontaktperson beim Händler | Telefon | Dienststunden |
|---|---|---|---|
| Verkauf: | | | |
| Ersatzteile: | | | |
| Service: | | | |

# MEMORANDA

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# INHALTSVERZEICHNIS

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# GENERAL INFORMATION

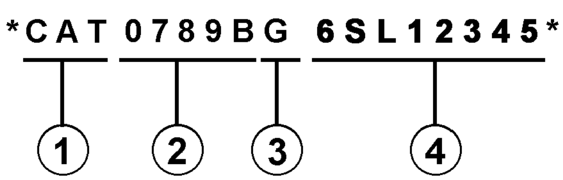
## 1. MACHINE IDENTIFICATION

Caterpillar machines are identified by Product Identification Numbers (PIN). Some components included in a machine may be identified by Serial Numbers (S/N). Typical components that will be serialized include engines, transmissions, bulldozers, and rippers. The machine and engine are further identified by arrangement numbers and in some cases modification numbers. These numbers are shown on the product identification plate(s) and on the master plate in the operator's compartment.

Caterpillar dealers need all of these numbers to determine accurate parts identification.

SIS ***New Feature***

Effective First Quarter 2001 the Caterpillar Product Identification Number (PIN) will change from 8 to 17 characters. In an effort to provide uniform equipment identification, Caterpillar and other construction equipment manufacturers are moving to comply with the latest version of the product identification numbering standard. Non-road machine PINs are defined by ISO 10261. The new PIN format will apply to all Caterpillar machines and generator sets. The PIN plates and frame marking will display the 17 character PIN. The new format will look like the following:




Where:

1. Caterpillar's World Manufacturing Code (characters 1-3)
2. Machine Descriptor (characters 4-8)
3. Check Character (character 9)
4. Machine Indicator Section (MIS) or Product Sequence Number (characters 10-17). These were previously referred to as the Serial Number.

Machines and generator sets produced before First Quarter 2001 will maintain their 8 character PIN format.

Components such as engines, transmissions, axles, etc. and work tools will continue to use an 8 character Serial Number (S/N).

## 2. ORDERING PARTS

**⚠ WARNING**

**When replacement parts are required for this product Caterpillar recommends using Caterpillar replacement parts or parts with equivalent specifications including, but not limited to, physical dimensions, type, strength and material.**

**Failure to heed this warning can lead to premature failures, product damage, personal injury or death.**

Quality Caterpillar replacement parts are available from Caterpillar dealers throughout the world. Their parts inventories are up to date and include all parts normally required to protect your investment in Caterpillar machines. Dealers may offer repair kits or remanufactured parts to allow selection of the most effective repair alternative for a particular situation. When ordering parts, your order should specify the quantity, part number, part name, and the serial number/product identification number of the machine for which the parts are needed.

## 3. PARTS MANUAL ORGANIZATION

Product information in this manual is presented as "information elements" that represent all of the components for the specific model. Engine Arrangement and Seat Group are examples of information elements. The information elements are organized alphabetically by part name and secondarily by part number within each major section of the manual.

## 4. TABLE OF CONTENTS

SIS ***New Feature***

A table of contents (TOC) is found at the beginning of the manual. The TOC lists each section of the manual with a complete list of all information elements organized as they appear in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

## 5. MAINTENANCE PARTS INDEX

The Maintenance Parts Index, located near the beginning of the manual, references most frequently used maintenance part numbers, providing description, quantity, usage and page number. This information is organized alphabetically by part description.

# GENERAL INFORMATION

### 6. INDEX

The index located near the front of the manual is an alphabetical listing of all information elements included in the manual. Page numbers are provided for quick reference to detailed parts identification illustrations and serviceable consist lists.

### 7. PART NUMBER INDEX

A numerical index listing all part numbers and the corresponding page number(s) appears at the back of the manual.

### 8. CAPTIONS

Captions located at the top of each page of an information element identify the part number and part name along with additional descriptive information. PIN and S/N information found in each caption should be used to select correct information for a specific machine. Field replacement options, identification of optional attachment components, and where used ("part of") information is also provided.

SIS ***New Feature***

The first line of a caption is shown in larger type font to indicate the beginning of an information element. Captions for additional pages that may be required to illustrate an information element will be shown in standard type font and will include the term *(contd.)* .

### 9. NON-SERVICED PARTS

SIS ***New Feature***

In some instances it is necessary to display non-serviced parts that are a link to a lower level serviceable consist lists. These non-serviced part numbers are shown in *italic* type indicating that they are not available.

### 10. PARTS LIST REFERENCE NUMBERS

SIS ***New Feature***

Numbers shown in the Ref No column correspond to numbers used in the associated graphic(s). An alphabetic suffix may be added to a reference number to identify lower level consist items. Numbers shown in the Graphic Ref column refer to the graphic number identifier displayed in the lower left corner of each illustration. The Graphic Ref number may be used in combination with the item Ref No to determine the correct part number. There may be intentional omission of a Ref No in a consist list as information is updated to reflect the latest serviceable part numbers.

### 11. INDENTED PART NAMES

When a part name is indented in a parts list, it is part of (included in) the group or assembly under which it is indented.

### 12. ILLUSTRATION REFERENCE LETTERS

When necessary, illustrations contain reference letters (A, B, C etc.) that are intended to track lines and harnesses from one point to another. They are also used to show where to reconnect illustrations that have been separated.

### 13. ABBREVIATIONS AND SYMBOLS

O.D. – Outside Diameter
I.D. – Inside Diameter
A – Not Part Of This Group
B – Use As Required
C – Change From Previous Type
D – Order By The Meter
E – Order By The Centimeter
F – Not Shown
G – Order By The Inch
I – See Hose Fabrication Guide
M – Metric Part
R – Remfg Part May Be Available
Y – Separate Illustration
Z – Not Serviced Separately

### NOTE:

Continuing improvement and advancement of product design may cause changes to your machine which may not be included in this publication. Whenever a question arises regarding your Caterpillar product or this publication, please consult your Caterpillar dealer for the latest available information.

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB**

PIN 3SK1-99999

SMCS-7253 — 100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | 3T-3963 | 1 | PLATE AS | |
| | 2 | 1 | 5M-3062 | 25 | BOLT (3/8-16X.750IN) | |
| | 3 | 1 | 5P-1075 | 41 | WASHER-HARD (3MM THK) | |
| | 4 | 1 | [illegible]-1444 | 2 | SUPPORT AS-FOOT | |
| | 5 | 1 | [illegible]-2228 | 19 | BOLT (1/2-13X1IN) | |
| | | 1 | [illegible] | 19 | WASHER-HARD (4MM THK) | |
| | 6 | 1 | 8E-8136 | [illegible] | COVER AS-LH | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 1F-8188 | 1 | CLIP | |
| | 7 | 1 | 7G-3411 | 4 | COVER | |
| | 8 | [illegible] | 6J-0488 | 16 | SCREW-HEAD (3/8-16X.875IN) | |
| | 9 | 1 | [illegible]-5974 | 1 | COVER | |
| | | 1 | 8E-[illegible] | [illegible] | GASKET | |
| | 10 | 1 | 8E-3249 | 1 | [illegible] | |
| | | 1 | 8E-3250 | 1 | GASKET | |
| | 11 | 1 | 3T-3635 | 1 | HANDHOLD | |
| | 12 | 1 | 8E-5976 | 1 | COVER AS | |
| | | 1 | 9F-2978 | 8 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 8E-5978 | 1 | GASKET | |
| | 13 | 1 | 7T-0131 | 1 | FLOORPLATE AS | |
| | | 1 | 1F-0748 | 4 | NUT-WELD (1/2-13 THD) | |
| | 14 | 1 | 7V-8067 | 1 | PLUG-BUTTON | |
| | 15 | 1 | 7T-0136 | 1 | PLATE AS | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | 7T-5066 | 1 | COVER | |
| | | 1 | 7T-0779 | 1 | GASKET | |
| | 17 | 1 | 3T-3951 | 1 | PLATE AS | |
| | 18 | 1 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 1 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 19 | 1 | 6I-8464 | 1 | FLOOR MAT | |
| | 20 | 1 | 8E-6946 | 1 | MODULE AS-OPERATOR | |
| | 21 | 1 | 3T-3634 | 1 | HANDHOLD | |
| | 22 | 1 | 9P-6571 | 2 | PLUG | |
| | 23 | 2 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 2 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 24 | 2 | 5M-3062 | 17 | BOLT (3/8-16X.750IN) | |
| | 25 | 2 | 5P-1075 | 21 | WASHER-HARD (3MM THK) | |
| | 26 | 2 | 7T-0135 | 1 | SEAL | |
| | 27 | 2 | 7X-0378 | 2 | BOLT (3/4-10X5IN) | |
| | | 2 | 7X-0682 | 2 | WASHER-HARD (6MM THK) | |
| | 28 | 2 | 3T-3462 | 2 | PLATE | |
| | 29 | 2 | 3T-6260 | 1 | PLATE AS | |
| | | 2 | 7G-4928 | 6 | SPACER | |
| | 30 | 2 | 3T-6261 | 1 | SEAL | |
| | 31 | 2 | 7G-6917 | 1 | GASKET | |
| | 32 | 2 | 7G-6916 | 1 | COVER AS | |
| | | 2 | 2R-2376 | 2 | WASHER | |
| | | 2 | 6P-6926 | 2 | SCREW-KNURLED | |
| | 33 | 2 | 9W-3429 | 1 | COVER | |
| | 34 | 2 | 8E-9597 | 1 | COVER | |
| | 35 | 2 | 6D-3031 | 8 | SCREW-SOCKET HEAD | |
| | 36 | 2 | 9W-3142 | 8 | MOUNTING | |
| | 37 | 2 | 9W-9027 | 2 | PLATE | |
| | 38 | 2 | 7X-0360 | 2 | BOLT (7/8-9X5IN) | |
| | | 2 | 7X-0572 | 2 | WASHER-HARD | |
| | 39 | 2 | 4L-6454 | 4 | BOLT (3/8-16X1.0IN) | |
| | 40 | 2 | 3T-4758 | 1 | COVER | |

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## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB *(contd.)*** — 100090751

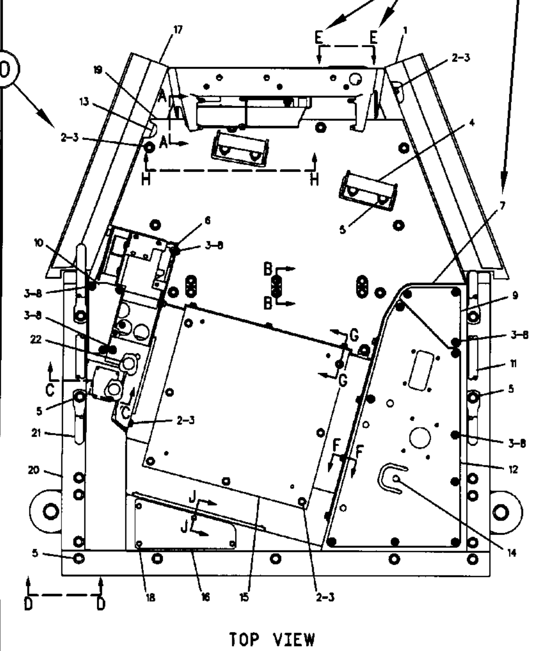
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 2 | 8E-2516 | 1 | COVER | |
| | 42 | 2 | 7T-0134 | 1 | PLATE | |
| | 43 | 2 | 7T-0138 | 1 | GASKET | |
| | 44 | 2 | 7G-6724 | 1 | GASKET | |
| | 45 | 2 | 7G-6723 | 1 | COVER | |
| | 46 | 2 | 6V-1950 | 2 | PLUG-BUTTON | |

M-METRIC PART

SELP4570-01 — 2 of 4 — FRAME AND BODY 13

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB *(contd.)*** — 10009[illegible]751

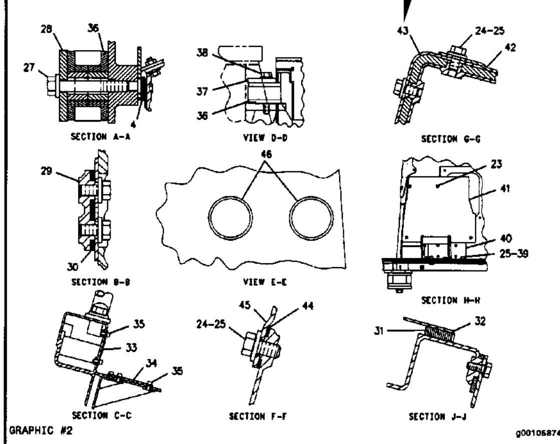



GRAPHIC #1 — g00036729

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## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB *(contd.)*** — 100090751




GRAPHIC #2 — g00105874

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# GÉNÉRALITÉS

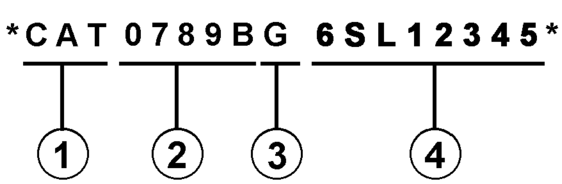
## 1. IDENTIFICATION DE LA MACHINE

Toutes les machines Caterpillar portent un numéro d'identification (PIN). Certains composants des machines peuvent porter des numéros de série (S/N). En général, parmi les composants qui portent des numéros de série il y a les moteurs, les transmissions, les bulldozers et les rippers. En plus, la machine et le moteur peuvent recevoir des numéros de version, et dans certains cas, de modification. Ces numéros figurent sur les plaques de numéro de série et sur la plaque signalétique principale qui se trouve dans le poste de conduite.

Les concessionnaires Caterpillar doivent connaître tous ces numéros pour identifier correctement les pièces.

***Nouvelle Caractéristique***

À partir du premier trimestre 2001, le numéro d'identification produit (PIN) Caterpillar passe de 8 à 17 caractères. Afin de permettre une identification uniforme des matériels, Caterpillar et d'autres constructeurs de machines de travaux publics s'efforcent de se conformer à la norme la plus récente portant sur les numéros d'identification des produits. Les numéros d'identification (PIN) de machines de chantier sont définis par la norme ISO 10261. Le nouveau format du numéro d'identification est valable pour toutes les machines et tous les groupes électrogènes Caterpillar. Le numéro d'identification produit (PIN) figurant sur la plaque et sur le châssis se composera de 17 caractères. Le nouveau format ressemblera à ceci:




Il se décomposera de la façon suivante:

1. Code international de fabrication de Caterpillar (caractères 1 à 3)

2. Descriptif de la machine (caractères 4 à 8)

3. Contrôle (caractère 9)

4. Indicateur machine (MIS) ou numéro de séquence produit (caractères 10 à 17). Ceux-ci étaient auparavant désignés sous le terme de numéro de série.

Les machines et les groupes électrogènes construits avant le premier trimestre 2001 garderont le format à 8 caractères du numéro d'identification produit (PIN).

Les organes tels que les moteurs, les boîtes de vitesses, les essieux, etc., continueront d'être désignés par un numéro de série (S/N) à 8 caractères.

## 2. COMMANDE DE PIÈCES

**⚠ DANGER**

**Lorsqu'il faut remplacer des pièces de rechange pour ce produit Caterpillar recommande d'utiliser les pièces de rechange Caterpillar ou les pièces qui ont des spécifications équivalentes dont les dimensions physiques, le type, la force et le matériau. Ces équivalences ne se limitent pas à l'énoncé précédent.**

**L'inobservation de cette mise en garde peut entraîner des défaillances prématurées, des dommages au produit, des blessures ou même la mort.**

Les concessionnaires Caterpillar fournissent dans le monde entier des pièces de rechange de qualité Caterpillar. Leurs stocks de pièces sont constamment réapprovisionnés et comptent toutes les pièces nécessaires pour assurer la bonne marche de vos machines Caterpillar. Certains concessionnaires proposent également des kits de réparation ou des pièces rénovées, ce qui permet de choisir la solution la plus économique dans une situation donnée. Lors des commandes de pièces, mentionner la quantité, le numéro et la désignation des pièces ainsi que le numéro de série ou le numéro d'identification (PIN) de la machine pour laquelle ces pièces sont requises.

## 3. ORGANISATION DU CATALOGUE DE PIÈCES

Les renseignements sur les produits sont présentés sous forme de "Information element" (élément d'information) représentant tous les composants d'un modèle donné. "Engine Arrangement" (version de moteur) et "Seat Group" (assemblage de siège)" sont des exemples d'éléments d'information. Les éléments d'information sont classés par ordre alphabétique par la désignation standard des pièces et par numéros de pièces dans chaque partie importante du manuel.

### 4. TABLE DES MATIÈRES

SIS ***Nouvelle Caractéristique***

La table des matières se trouve au début du manuel. La table des matières fournit la liste de tous les chapitres du manuel avec une liste complète de tous les éléments d'information classés par ordre d'apparition dans le manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

### 5. INDEX DES PIÈCES D'ENTRETIEN

La rubrique "Index des pièces d'entretien" qui se trouve au début du manuel renvoie aux pièces d'entretien les plus fréquemment utilisées en précisant la désignation, la quantité, là où la pièce est utilisée et le numéro de page. Ces pièces sont classés par ordre alphabétique.

### 6. INDEX

L'index qui se trouve vers le début du manuel est une liste alphabétique de tous les éléments d'information du manuel. Les numéros de page sont fournis afin que l'utilisateur puisse trouver rapidement les illustrations détaillées concernant l'identification des pièces et les listes des pièces d'entretien.

### 7. INDEX DES NUMÉROS DE PIÈCES

Une liste numérique de tous les numéros de pièces et des pages correspondantes se trouve à la fin du manuel.

### 8. LÉGENDES

SIS ***Nouvelle Caractéristique***

Les légendes qui se trouvent en haut de chaque page de chaque élément d'information fournissent le numéro de pièce, la désignation ainsi que des renseignements supplémentaires sur les pièces. Les renseignements concernant les numéros d'identification produit (PIN) et les numéros de série (S/N) qui se trouvent dans chaque légende doivent être utilisés pour sélectionner les informations correctes pour une machine donnée. Les informations concernant les options de remplacement sur le chantier, l'identification des composants des équipements offerts en option et les lieux d'application sont aussi fournies.

### 9. PIÈCES NON FOURNIES

SIS ***Nouvelle Caractéristique***

Dans certains cas, il est nécessaire d'indiquer les pièces non fournies qui sont en aval de la liste des pièces d'entretien. Les numéros des pièces non fournies dans la liste des pièces et les légendes seront en italique pour signaler qu'ils ne sont pas disponibles.

### 10. NUMÉROS DE RÉFÉRENCE DE LA LISTE DES PIÈCES

SIS ***Nouvelle Caractéristique***

Les numéros indiqués dans la colonne des numéros de références correspondent aux numéros utilisés dans les illustrations auxquelles ils sont associés. Un suffixe alphabétique peut être ajouté à un numéro de référence pour identifier la liste des articles en aval. Les numéros indiqués dans la colonne de référence de l'illustration renvoient à l'identification du numéro affiché dans le coin inférieur gauche de chaque illustration. Le numéro de référence de l'illustration pourrait être utilisé avec le numéro de référence de l'article pour déterminer le numéro de pièce correct. Il peut y avoir une omission intentionnelle d'un numéro de référence dans une liste de pièces suite à la mise à jour des informations en vue de refléter les numéros de pièces les plus récentes.

### 11. DÉSIGNATIONS DE PIÈCES EN RETRAIT

Lorsqu'une désignation de pièce est en retrait, cela veut dire que l'article en regard fait partie de l'ensemble sous lequel il figure.

### 12. LETTRES DE RÉFÉRENCE DES ILLUSTRATIONS

Quand cela est nécessaire, les illustrations comportent des lettres de référence (A, B, C, etc.) pour montrer le trajet des canalisations et faisceaux de câbles d'un point à l'autre. Elles sont utilisées également pour indiquer où relier les illustrations séparées auparavant.

## 13. ABRÉVIATIONS ET SYMBOLES

O.D. – Diamètre extérieur
I.D. – Diamètre intérieur
A – Ne fait pas partie de ce groupe
B – Utiliser selon besoin
C – Modification
D – Commander par mètre
E – Commander par centimètre
F – Non représenté
G – Commander par pouce
I – Voir "Hose Fabrication Guide"
M – Pièce métrique
R – Pièce rénovée éventuellement disponible
Y – Illustration séparée
Z – Non fourni séparément

**NOTA:**

En raison du progrès technique et des améliorations continuelles apportées au matériel, votre machine comporte peut-être des modifications qui n'apparaissent pas dans la présente publication. En cas de doute sur un détail de votre machine Caterpillar ou sur le texte de la présente publication, adressez-vous à votre concessionnaire Caterpillar.

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB**

PIN 3SK1-99999

SMCS-7253 — 100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | 3T-3963 | 1 | PLATE AS | |
| | 2 | 1 | 5M-3062 | 25 | BOLT (3/8-16X.750IN) | |
| | 3 | 1 | 5P-1075 | 41 | WASHER-HARD (3MM THK) | |
| | 4 | 1 | 9P-1444 | 2 | SUPPORT AS-FOOT | |
| | 5 | 1 | [illegible]P-2229 | 19 | BOLT (1/2-13X1IN) | |
| | | 1 | [illegible] | 19 | WASHER-HARD (4MM THK) | |
| | 6 | 1 | 8E-8136 | [illegible] | COVER AS-LH | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 1P-8188 | 1 | CLIP | |
| | 7 | 1 | 7G-3411 | 4 | COVER | |
| | 8 | 1 | 6J-0488 | 16 | SCREW-HEAD (3/8-16X.875IN) | |
| | 9 | 1 | [illegible]-5974 | 1 | COVER | |
| | | 1 | 8E-59[illegible] | [illegible] | GASKET | |
| | 10 | 1 | 8E-3249 | 1 | [illegible] | |
| | | 1 | 8E-3250 | 1 | GASKET | |
| | 11 | 1 | 3T-3635 | 1 | HANDHOLD | |
| | 12 | 1 | 8E-5876 | 1 | COVER AS | |
| | | 1 | 9F-2978 | 8 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 8E-5978 | 1 | GASKET | |
| | 13 | 1 | 7T-0131 | 1 | FLOORPLATE AS | |
| | | 1 | 1F-0748 | 4 | NUT-WELD (1/2-13 THD) | |
| | 14 | 1 | 7V-8087 | 1 | PLUG-BUTTON | |
| | 15 | 1 | 7T-0136 | 1 | PLATE AS | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | 7T-5066 | 1 | COVER | |
| | | 1 | 7T-0779 | 1 | GASKET | |
| | 17 | 1 | 3T-3951 | 1 | PLATE AS | |
| | 18 | 1 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 1 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 19 | 1 | 6I-8464 | 1 | FLOOR MAT | |
| | 20 | 1 | 8E-6846 | 1 | MODULE AS-OPERATOR | |
| | 21 | 1 | 3T-3634 | 1 | HANDHOLD | |
| | 22 | 1 | 9P-6571 | 2 | PLUG | |
| | 23 | 2 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 2 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 24 | 2 | 5M-3062 | 17 | BOLT (3/8-16X.750IN) | |
| | 25 | 2 | 5P-1075 | 21 | WASHER-HARD (3MM THK) | |
| | 26 | 2 | 7T-0135 | 1 | SEAL | |
| | 27 | 2 | 7X-0378 | 2 | BOLT (3/4-10X5IN) | |
| | | 2 | 7X-0682 | 2 | WASHER-HARD (6MM THK) | |
| | 28 | 2 | 3T-3462 | 2 | PLATE | |
| | 29 | 2 | 3T-6280 | 1 | PLATE AS | |
| | | 2 | 7G-4928 | 6 | SPACER | |
| | 30 | 2 | 3T-6281 | 1 | SEAL | |
| | 31 | 2 | 7G-6917 | 1 | GASKET | |
| | 32 | 2 | 7G-6916 | 1 | COVER AS | |
| | | 2 | 2R-2376 | 2 | WASHER | |
| | | 2 | 6P-6926 | 2 | SCREW-KNURLED | |
| | 33 | 2 | 9W-3429 | 1 | COVER | |
| | 34 | 2 | 8E-9597 | 1 | COVER | |
| | 35 | 2 | 6D-3031 | 8 | SCREW-SOCKET HEAD | |
| | 36 | 2 | 9W-3142 | 8 | MOUNTING | |
| | 37 | 2 | 9W-9027 | 2 | PLATE | |
| | 38 | 2 | 7X-0390 | 2 | BOLT (7/8-9X5IN) | |
| | | 2 | 7X-0572 | 2 | WASHER-HARD | |
| | 39 | 2 | 4L-6454 | 4 | BOLT (3/8-16X1.0IN) | |
| | 40 | 2 | 3T-4758 | 1 | COVER | |

12 FRAME AND BODY — 1 of 4 — SELP4570-01

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB (contd.)** — 100090751

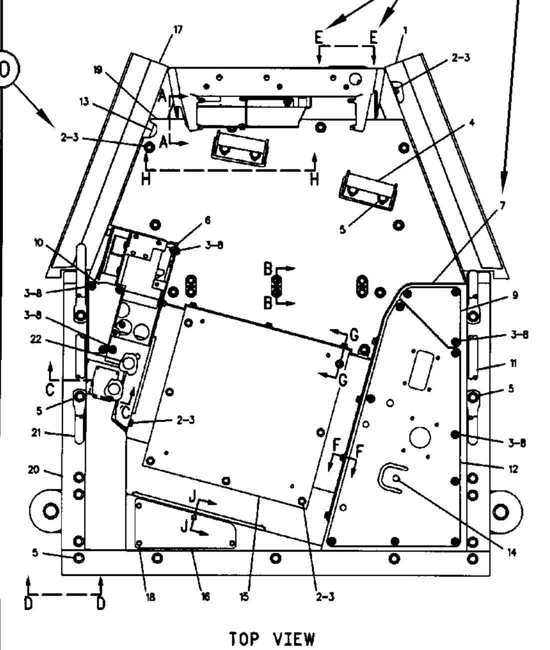
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 2 | 8E-2515 | 1 | COVER | |
| | 42 | 2 | 7T-0134 | 1 | PLATE | |
| | 43 | 2 | 7T-0138 | 1 | GASKET | |
| | 44 | 2 | 7G-6724 | 1 | GASKET | |
| | 45 | 2 | 7G-6723 | 1 | COVER | |
| | 46 | 2 | 6V-1950 | 2 | PLUG-BUTTON | |

M-METRIC PART

SELP4570-01 — 2 of 4 — FRAME AND BODY 13

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB (contd.)** — 100090751



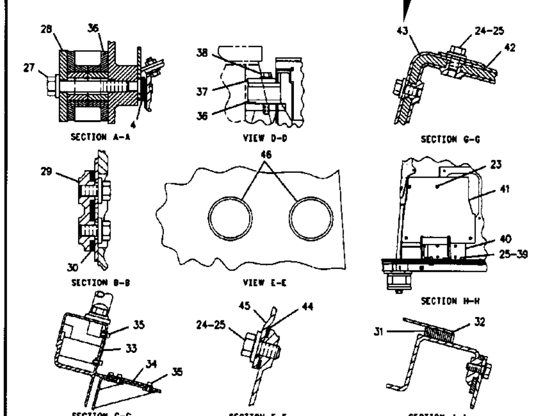

GRAPHIC #1

g00036729

14 FRAME AND BODY — 3 of 4 — SELP4570-01

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB (contd.)** — 100090751




GRAPHIC #2

g00105874

SELP4570-01 — 4 of 4 — FRAME AND BODY 15

# INFORMACIÓN GENERAL

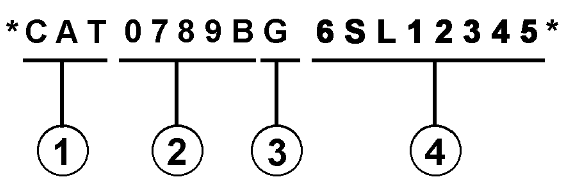
### 1. MÁQUINAS

Las máquinas Caterpillar se identifican con Números de Identificación del Producto (PIN). Algunos componentes incluídos en la máquina pueden estar identificados con Números de Serie (N/S). Los componentes que tienen típicamente esta identificación incluyen motores, transmisiones, hojas topadoras y desgarradores. La máquina y el motor se identifican además con Números de Configuración y en algunos casos, Números de Modificación. Estos números están en las placas de identificación del producto o en la placa principal en la cabina del operador.

Los distribuidores Caterpillar necesitan estos números para identificar con exactitud los números de piezas de repuesto.

SIS *Nueva Característica*

A partir del primer trimestre del 2001, el Número de Identificación de Producto (PIN) de Caterpillar cambiará de 8 a 17 caracteres. Para hacer más uniforme el método de identificación de equipos, Caterpillar y otros fabricantes de equipo de construcción han tomado medidas para cumplir con la versión más reciente de la norma de numeración de identificación de productos. Los Números de Identificación de Producto para máquinas que no se operan en carreteras son definidos por la norma ISO 10261. El nuevo formato PIN corresponderá a todas las máquinas y grupos electrógenos Caterpillar. Las placas y los caracteres PIN estampados en el bastidor mostrarán el PIN de 17 caracteres. El nuevo formato tendrá la apariencia siguiente:




Significado de los caracteres:

1. Código de Fabricación Mundial de Caterpillar (caracteres 1-3)
2. Sección Descriptor de la Máquina (caracteres 4-8)
3. Carácter de Verificación (carácter 9)
4. Sección Indicador de la Máquina (MIS) o Número de Secuencia de Producto (caracteres 10-17). Anteriormente, estos caracteres constituían el Número de Serie.

Las máquinas y grupos electrógenos producidos antes del primer semestre del 2001 mantendrán su formato PIN de 8 caracteres.

Los componentes como motores, transmisiones, ejes, herramientas de trabajo, etc., continuarán usando un Número de Serie (S/N) de 8 caracteres.

### 2. COMO PEDIR REPUESTOS

**⚠ ADVERTENCIA**

**Cuando se necesiten piezas de repuesto para este producto, Caterpillar recomienda usar piezas de repuesto Caterpillar o piezas que tengan especificaciones equivalentes incluyendo, pero sin estar limitadas a, dimensiones físicas, tipo, fortaleza y material.**

**El no hacer caso de esta advertencia puede llevar a fallas prematuras, daños al producto y lesiones graves o mortales.**

Las piezas de repuesto Caterpillar de calidad están a la disposición de los distribuidores Caterpillar en todo el mundo. Sus existencias actualizadas incluyen todas las piezas normalmente requeridas para proteger su inversión en máquinas Caterpillar. Los distribuidores pueden tener juegos de reparación o piezas remanufacturadas para permitir la selección de la mejor alternativa de reparación en un caso en particular. Al pedir piezas de repuesto, especifique en su pedido la cantidad, el número de pieza, el nombre de la pieza y el número de serie/número de identificación del producto, de la máquina para la cual se necesitan estas piezas.

### 3. ORGANIZACION DEL MANUAL DE PIEZAS

La información sobre el producto, se presenta en este manual, como "elementos de información" que representan todos los componentes de un modelo específico. Las configuraciones de motores y los grupos de asientos son ejemplos de elementos de información. Los elementos de información están organizados primeramente por nombres de piezas en orden alfabético y en segundo lugar, por el número de pieza dentro de cada sección principal del manual.

### 4. CONTENIDO

SIS *Nueva Característica*

La página de Contenido se encuentra al principio del manual. El Contenido indica cada sección del manual con una lista completa de todos los elementos de información organizados en el orden que aparecen en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

### 5. ÍNDICE DE PIEZAS DE MANTENIMIENTO

Al principio de este catálogo se encuentra un índice de los números de piezas utilizadas más frecuentemente para el mantenimiento, que incluye descripción, cantidad necesaria, lugar de utilización y número de página. Esta información está organizada alfabéticamente, por descripción de la pieza.

### 6. ÍNDICE

El Índice, ubicado cerca del principio del manual, es una lista en orden alfabético de todos los elementos de información incluídos en el manual. Los números de página proporcionan una referencia rápida a las ilustraciones detalladas de identificación de piezas y a las listas de componentes de repuesto de dichas piezas.

### 7. INDICE NUMÉRICO DE PIEZAS

Un índice numérico de piezas con el correspondiente número de página aparece al final de este catálogo.

### 8. TÍTULOS

Los títulos ubicados en la parte superior de cada página de elementos de información identifican el número y el nombre de la pieza junto con información descriptiva adicional para ayudar al usuario a determinar las piezas necesarias para una máquina en particular. También se suministra información sobre las opciones de reparación en el campo, la identificación de componentes de accesorios optativos y el lugar de ubicación de la pieza ("es parte de").

SIS *Nueva Característica*

La primera línea del título se muestra con un tipo de letra más grande para indicar el comienzo de un elemento de información. Si se requieren páginas adicionales para ilustrar un elemento de información, los títulos se muestran con un tipo de letra normal y la continuación se indica entre paréntesis.

### 9. PIEZAS QUE NO SE SUMINISTRAN COMO REPUESTO

SIS *Nueva Característica*

En algunos casos es necesario indicar piezas que no se suministran como repuesto pero que pueden estar conectadas a listas de componentes de otras piezas de repuesto. En tal caso, dichas piezas se muestran en cursiva para indicar que no son piezas disponibles.

### 10. NÚMEROS DE REFERENCIA

SIS *Nueva Característica*

Los números en la columna de No. de Referencia corresponden a los números indicados en la ilustración que pertenece a ese número de pieza. Los números que tienen un sufijo alfabético identifican artículos de las listas de componentes de piezas. Los números en la columna de Referencia de la ilustración se identifican en la esquina inferior izquierda de cada ilustración. Para determinar el número de pieza correcto se puede utilizar tanto el No. de Referencia de la ilustración como el No. de Referencia del artículo. A medida que se actualiza la información para indicar los más recientes números de piezas de repuesto, puede omitirse intencionalmente un No. de Referencia en una lista de componentes de piezas.

### 11. NOMBRES DE PIEZA SANGRADOS

Cuando el nombre de una pieza está sangrado en una lista, significa que esta pieza forma parte del grupo o conjunto del renglón inmediatamente superior.

### 12. LETRAS DE REFERENCIA DE ILUSTRACIONES

Las ilustraciones contienen algunas veces letras de referencia (A, B, C etc.) cuyo propósito es seguir el trayecto de líneas y mazos de cables de un punto a otro. También se utilizan para mostrar dónde volver a unir ilustraciones que se habían separado.

## 13. ABREVIATURAS Y SIMBOLOS

O.D. – Diámetro exterior
I.D. – Diámetro interior
A – No es pieza de este grupo
B – Utilizado según la demanda
C – Indica cambio
D – Se pide por metro
E – Se pide por centímetro
F – No se muestra
G – Se pide por pulgada
I – Ver "Hose Fabrication Guide"
M – Pieza métrica
R – Puede estar disponible como pieza remanufacturada
Y – Ilustración separada
Z – No se suministra por separado

**NOTA:**

Las contínuas mejoras y adelantos en diseño podrían originar cambios a su máquina que no se incluyen en esta publicación. Cuando tenga alguna pregunta acerca de su producto Caterpillar o de esta publicación, consulte al distribuidor Caterpillar para obtener la información más reciente.

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB**
PIN 3SK1-99999

SMCS-7253 100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | 3T-3963 | 1 | PLATE AS | |
| | 2 | 1 | 5M-3062 | 25 | BOLT (3/8-16X.750IN) | |
| | 3 | 1 | 5P-1075 | 41 | WASHER-HARD (3MM THK) | |
| | 4 | 1 | 9P-1444 | 2 | SUPPORT AS-FOOT | |
| | 5 | 1 | 6P-2229 | 19 | BOLT (1/2-13X1IN) | |
| | | 1 | [illegible] | 19 | WASHER-HARD (4MM THK) | |
| | 6 | 1 | 8E-8136 | 1 | COVER AS-LH | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 1P-8188 | 1 | CLIP | |
| | 7 | 1 | 7G-3411 | 4 | COVER | |
| | 8 | 1 | 6J-0468 | 16 | SCREW-HEAD (3/8-16X.875IN) | |
| | 9 | 1 | [illegible]-5974 | 1 | COVER | |
| | | 1 | 8E-5975 | 1 | GASKET | |
| | 10 | 1 | 8E-3249 | 1 | [illegible] | |
| | | 1 | 8E-3250 | 1 | GASKET | |
| | 11 | 1 | 3T-3635 | 1 | HANDHOLD | |
| | 12 | 1 | 8E-8876 | 1 | COVER AS | |
| | | 1 | 9F-2978 | 8 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 8E-5978 | 1 | GASKET | |
| | 13 | 1 | 7T-0131 | 1 | FLOORPLATE AS | |
| | | 1 | 1F-0748 | 4 | NUT-WELD (1/2-13 THD) | |
| | 14 | 1 | 7V-8067 | 1 | PLUG-BUTTON | |
| | 15 | 1 | 7T-0136 | 1 | PLATE AS | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | 7T-5066 | 1 | COVER | |
| | | 1 | 7T-0779 | 1 | GASKET | |
| | 17 | 1 | 3T-3951 | 1 | PLATE AS | |
| | 18 | 1 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 1 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 19 | 1 | 6I-8464 | 1 | FLOOR MAT | |
| | 20 | 1 | 8E-6846 | 1 | MODULE AS-OPERATOR | |
| | 21 | 1 | 3T-3634 | 1 | HANDHOLD | |
| | 22 | 1 | 9P-6571 | 2 | PLUG | |
| | 23 | 2 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 2 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 24 | 2 | 5M-3062 | 17 | BOLT (3/8-16X.750IN) | |
| | 25 | 2 | 5P-1075 | 21 | WASHER-HARD (3MM THK) | |
| | 26 | 2 | 7T-0135 | 1 | SEAL | |
| | 27 | 2 | 7X-0378 | 2 | BOLT (3/4-10X5IN) | |
| | | 2 | 7X-0682 | 2 | WASHER-HARD (6MM THK) | |
| | 28 | 2 | 3T-3462 | 2 | PLATE | |
| | 29 | 2 | 3T-8280 | 1 | PLATE AS | |
| | | 2 | 7G-4828 | 6 | SPACER | |
| | 30 | 2 | 3T-8281 | 1 | SEAL | |
| | 31 | 2 | 7G-6917 | 1 | GASKET | |
| | 32 | 2 | 7G-6916 | 1 | COVER AS | |
| | | 2 | 2R-2376 | 2 | WASHER | |
| | | 2 | 6P-6926 | 2 | SCREW-KNURLED | |
| | 33 | 2 | 9W-3428 | 1 | COVER | |
| | 34 | 2 | 8E-9597 | 1 | COVER | |
| | 35 | 2 | 6D-3031 | 8 | SCREW-SOCKET HEAD | |
| | 36 | 2 | 9W-3142 | 8 | MOUNTING | |
| | 37 | 2 | 9W-9027 | 2 | PLATE | |
| | 38 | 2 | 7X-0380 | 2 | BOLT (7/8-9X5IN) | |
| | | 2 | 7X-0572 | 2 | WASHER-HARD | |
| | 39 | 2 | 4L-6454 | 4 | BOLT (3/8-16X1.0IN) | |
| | 40 | 2 | 3T-4758 | 1 | COVER | |

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## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB** *(contd.)* 100090751

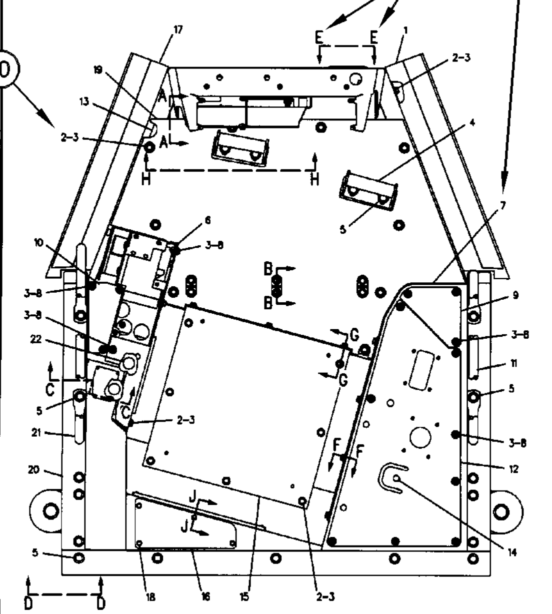
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 2 | 8E-2515 | 1 | COVER | |
| | 42 | 2 | 7T-0134 | 1 | PLATE | |
| | 43 | 2 | 7T-0138 | 1 | GASKET | |
| | 44 | 2 | 7G-6724 | 1 | GASKET | |
| | 45 | 2 | 7G-6723 | 1 | COVER | |
| | 46 | 2 | 6V-1950 | 2 | PLUG-BUTTON | |

M-METRIC PART

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## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB** *(contd.)* 100090751



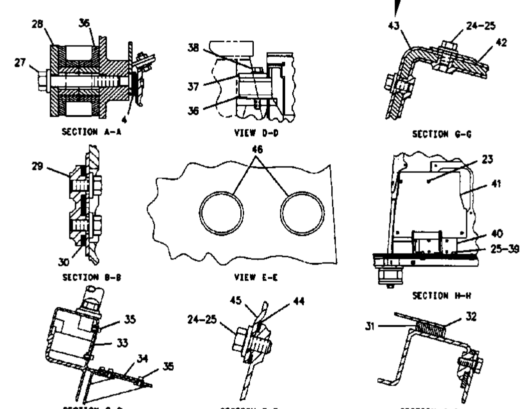
TOP VIEW

GRAPHIC #1 g00036729

14 FRAME AND BODY 3 of 4 SELP4570-01

## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB** *(contd.)* 100090751




GRAPHIC #2 g00105874

SELP4570-01 4 of 4 FRAME AND BODY 15

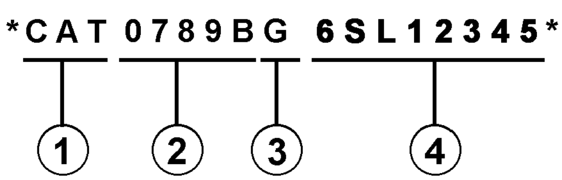
# INFORMAÇÃO GERAL

## 1. IDENTIFICAÇÃO DA MÁQUINA

As máquinas Caterpillar são identificadas pelos Números de Informação do Produto (PIN). Alguns componentes incluídos numa máquina podem ser identificados por Números de Série (S/N). Componentes típicos que serão enumerados com números de série incluem motores, transmissões, lâminas e ríperes. Além do número de série, a máquina e o motor são ainda identificados por números de arranjo e, em alguns casos, números de modificações. Tais números encontram-se na(s) placa(s) de identificação do produto e na placa mestre no compartimento do operador.

SIS ***Novidades***

A partir do primeiro trimestre de 2001 o Número de Identificação de Produto da Caterpillar (PIN) vai mudar de 8 para 17 caracteres. Esforçando-se para fornecer uma identificação uniforme de equipamentos, a Caterpillar e outros fabricantes de equipamento de construção estão mudando para atender a versão mais atualizada do padrão de identificação de produtos. Os números de PIN para produtos de aplicações não rodoviárias são definidos pela ISO 10261. O novo formato de número PIN será adotado em todas as máquinas e grupos geradores Caterpillar. As placas e as marcações do chassi mostrarão os 17 dígitos de PIN. O novo formato terá a seguinte disposição:




Onde:

1. Código de Fabricação Mundial da Caterpillar (dígitos 1-3)

2. Descrição da Máquina (dígitos 4-8)

3. Dígito de Verificação (dígito 9)

4. Seção de Indicador da Máquina (MIS) ou Número de Seqüência de Produto (dígitos 10-17). Estes eram anteriormente chamados de Número de Série.

Máquinas e grupos geradores produzidos antes do primeiro trimestre de 2001 manterão o formato de 8 caracteres de PIN.

Componentes como motores, transmissões, eixos, ferramentas de trabalho, etc. continuarão a usar Número de Série (S/N) com oito caracteres.

## 2. COMO OBTER PEÇAS

**⚠ CUIDADO**

**Quando peças de substituição são exigidas para este produto, a Caterpillar recomenda a utilização de peças de substituição Caterpillar ou peças com as especificações equivalentes incluindo, mas não limitadas, à dimensões físicas, tipos, resistência e materiais.**

**A inobservância desta advertência poderá resultar em falhas prematuras, danos ao produto, ferimentos ou morte.**

As Peças de Reposição de Qualidade Caterpillar encontram-se disponíveis nos revendedores Caterpillar no mundo inteiro. Seus estoques de peças são atualizados e incluem todas as peças normalmente necessárias para proteger seu investimento em máquinas Caterpillar. Alguns revendedores podem oferecer jogos de reparo ou peças de troca/remanufaturadas disponíveis como uma opção da alternativa de reparo mais eficaz para uma situação específica. Ao encomendar peças, seu pedido deve especificar a quantidade, o número e o nome da peça e o número de série/número de identificação do produto referentes à máquina para a qual as peças se destinam.

## 3. ORGANIZAÇÃO DO MANUAL DE PEÇAS

A informação do produto neste manual é apresentada em forma de "elementos de informação" que representam todos os componentes para o modelo específico. Arranjo de Motor e Grupo de Assento são exemplos de elementos de informação. Os elementos de informação são organizados em ordem alfabética por nome de peça ou secundariamente, por número de peça incluído em cada seção principal do manual.

## 4. LISTA DE CONTEÚDOS

SIS ***Novidades***

A Lista de Conteúdos (TOC) se encontra no princípio do manual. A Lista de Conteúdos (TOC) relaciona em cada seção do manual uma lista completa com todos os elementos de informação organizados conforme aparecem no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

### 5. ÍNDICE DE PEÇAS DE MANUTENÇÃO

O Índice de Peças de Manutenção, localizado perto do princípio do manual, faz referência aos números de peça de manutenção usados com maior frequência, fornecendo uma descrição, a quantidade, o uso e o número de página. Esta informação é organizada com a descrição da peça em ordem alfabética.

### 6. ÍNDICE

O Índice localizado perto do princípio do manual, consiste de uma lista em ordem alfabética de todos os elementos de informação incluídos no manual. Números de página são fornecidos para que se tenha referência rápida de ilustrações de peças detalhadas e listas de conteúdos que podem receber serviço de manutenção.

### 7. ÍNDICE DE NÚMERO DE PEÇA

Um índice numérico relacionando todos os números de peça e a(s) página(s) correspondentes, aparece no final do manual.

### 8. LEGENDAS

As legendas localizadas na parte de cima de cada página de um elemento de informação identifica o número de peça e o nome da peça, juntamente com informação descritiva adicional. Informações sobre o Número de Informação do Produto (PIN) e o Número de Série (S/N) encontradas em cada legenda devem ser usadas para selecionar a informação correta sobre uma máquina específica. Opções de substituição no campo, identificação de componentes de acessórios opcionais e informações sobre onde são utilizados ("parte de") são também fornecidas.

SIS ***Novidades***

A primeira linha de uma legenda é indicada em tipo maior para indicar o princípio de um elemento de informação. Legendas para páginas adicionais que podem ser necessárias para ilustrar um elemento de informação serão apresentadas em tipo padrão e incluirão o termo *(continua)* .

### 9. NÃO DISPONÍVEL SEPARADAMENTE

SIS ***Novidades***

Em alguns casos, é necessário mostrar peças não disponíveis separadamente que têm uma ligação com listas de conteúdos de nível inferior que podem receber serviço de manutenção. Os números de peça destes componentes não disponíveis aparecerão em *itálico* , a fim de indicar que não estão disponíveis.

### 10. NÙMEROS DE REFERÊNCIA À LISTA DE PEÇAS

SIS ***Novidades***

Os números indicados na coluna Ref No (No. de Referência) correspondem-se aos números usados no(s) gráfico(s) correspondente(s). Um sufixo com letras pode ser acrescentado a um número de referência para identificar itens de conteúdo de nível inferior. Os números indicados na coluna Graphic Ref (Referência de Gráfico) referem-se ao identificador de número de gráfico presente no canto esquerdo inferior de cada ilustração. O número de Referência de Gráfico pode ser usado em combinação com o item Ref No para determinar-se o número de peça correto. Poderá haver omissão intencional de um número de referência (Ref No) de uma lista de conteúdos uma vez que as informações são atualizadas para refletir os números de peça mais recentes que podem receber serviço de manutenção.

### 11. NOMES DE PEÇAS DESALINHADOS

Quando um nome de peça encontra-se desalinhado numa lista de peças, significa que tal item faz parte do (está incluído no) grupo ou conjunto sob o qual está relacionado.

### 12. LETRAS DE REFERÊNCIA NAS ILUSTRAÇÕES

Quando necessário, as ilustrações contêm letras de referência (A, B, C, etc.) que são utilizadas para seguir tubulações e cabos elétricos de um ponto a outro. Também foram utilizadas para indicar onde se pode reconectar as ilustrações que foram separadas.

### 13. ABREVIAÇÕES E SÍMBOLOS

O.D. – "Outside Diameter" (Diâmetro Externo)
I.D. – "Inside Diameter" (Diâmetro Interno)
A – Não faz parte deste grupo
B – Use conforme necessário
C – Indica modificação
D – Vendido por metro
E – Vendido por centímetro
F – Não ilustrado
G – Vendido por polegada
I – Consulte o seu revendedor quanto a mangueira
M – Peça métrica
R – Peça remanufaturada pode estar disponível; consulte o seu revendedor Cat
Y – Ilustração separada
Z – Não disponível separadamente

**NOTA:**

Os contínuos aperfeiçoamentos e avanços no projeto do produto podem ocasionar modificações em sua máquina que talvez ainda não estejam incluídas nesta publicação. Sempre que surgirem dúvidas quanto a um produto Caterpillar ou quanto à presente publicação, consulte o seu revendedor Caterpillar para obter as informações mais recentes disponíveis.

## FRAME AND BODY

### 8E-3299 PLATFORM GP-CAB

PIN 3SK1-99999

SMCS-7253 — 100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | 3T-3963 | 1 | PLATE AS | |
| | 2 | 1 | 5M-3062 | 25 | BOLT (3/8-16X.750IN) | |
| | 3 | 1 | 5P-1075 | 41 | WASHER-HARD (3MM THK) | |
| | 4 | 1 | 9P-1444 | 2 | SUPPORT AS-FOOT | |
| | 5 | 1 | [illegible]P-2229 | 19 | BOLT (1/2-13X1IN) | |
| | | 1 | [illegible] | 19 | WASHER-HARD (4MM THK) | |
| | 6 | 1 | 8E-8136 | [illegible] | COVER AS-LH | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 1P-8168 | 1 | CLIP | |
| | 7 | 1 | 7G-3411 | 4 | COVER | |
| | 8 | [illegible] | 6J-0468 | 16 | SCREW-HEAD (3/8-16X.875IN) | |
| | 9 | 1 | [illegible]5974 | 1 | COVER | |
| | | 1 | 8E-[illegible] | [illegible] | GASKET | |
| | 10 | 1 | 8E-3249 | 1 | [illegible] | |
| | | 1 | 8E-3250 | 1 | GASKET | |
| | 11 | 1 | 3T-3635 | 1 | HANDHOLD | |
| | 12 | 1 | 8E-8876 | 1 | COVER AS | |
| | | 1 | 9F-2978 | 8 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 8E-5978 | 1 | GASKET | |
| | 13 | 1 | 7T-0131 | 1 | FLOORPLATE AS | |
| | | 1 | 1F-0748 | 4 | NUT-WELD (1/2-13 THD) | |
| | 14 | 1 | 7V-8067 | 1 | PLUG-BUTTON | |
| | 15 | 1 | 7T-0136 | 1 | PLATE AS | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | 7T-5066 | 1 | COVER | |
| | | 1 | 7T-0779 | 1 | GASKET | |
| | 17 | 1 | 3T-3951 | 1 | PLATE AS | |
| | 18 | 1 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 1 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 19 | 1 | 6I-9464 | 1 | FLOOR MAT | |
| | 20 | 1 | 8E-6946 | 1 | MODULE AS-OPERATOR | |
| | 21 | 1 | 3T-3634 | 1 | HANDHOLD | |
| | 22 | 1 | 9P-6571 | 2 | PLUG | |
| | 23 | 2 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 2 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 24 | 2 | 5M-3062 | 17 | BOLT (3/8-16X.750IN) | |
| | 25 | 2 | 5P-1075 | 21 | WASHER-HARD (3MM THK) | |
| | 26 | 2 | 7T-0135 | 1 | SEAL | |
| | 27 | 2 | 7X-0378 | 2 | BOLT (3/4-10X5IN) | |
| | | 2 | 7X-0682 | 2 | WASHER-HARD (6MM THK) | |
| | 28 | 2 | 3T-3462 | 2 | PLATE | |
| | 29 | 2 | 3T-6290 | 1 | PLATE AS | |
| | | 2 | 7G-4928 | 6 | SPACER | |
| | 30 | 2 | 3T-6291 | 1 | SEAL | |
| | 31 | 2 | 7G-6917 | 1 | GASKET | |
| | 32 | 2 | 7G-6916 | 1 | COVER AS | |
| | | 2 | 2R-2376 | 2 | WASHER | |
| | | 2 | 6P-6926 | 2 | SCREW-KNURLED | |
| | 33 | 2 | 9W-3429 | 1 | COVER | |
| | 34 | 2 | 8E-9597 | 1 | COVER | |
| | 35 | 2 | 6D-3031 | 8 | SCREW-SOCKET HEAD | |
| | 36 | 2 | 9W-3142 | 8 | MOUNTING | |
| | 37 | 2 | 9W-9027 | 2 | PLATE | |
| | 38 | 2 | 7X-0390 | 2 | BOLT (7/8-9X5IN) | |
| | | 2 | 7X-0572 | 2 | WASHER-HARD | |
| | 39 | 2 | 4L-6454 | 4 | BOLT (3/8-16X1.0IN) | |
| | 40 | 2 | 3T-4758 | 1 | COVER | |

12 FRAME AND BODY — 1 of 4 — SELP4570-01

## FRAME AND BODY

### 8E-3299 PLATFORM GP-CAB *(contd.)*

100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 2 | 8E-2516 | 1 | COVER | |
| | 42 | 2 | 7T-0134 | 1 | PLATE | |
| | 43 | 2 | 7T-0138 | 1 | GASKET | |
| | 44 | 2 | 7G-6724 | 1 | GASKET | |
| | 45 | 2 | 7G-6723 | 1 | COVER | |
| | 46 | 2 | 6V-1960 | 2 | PLUG-BUTTON | |

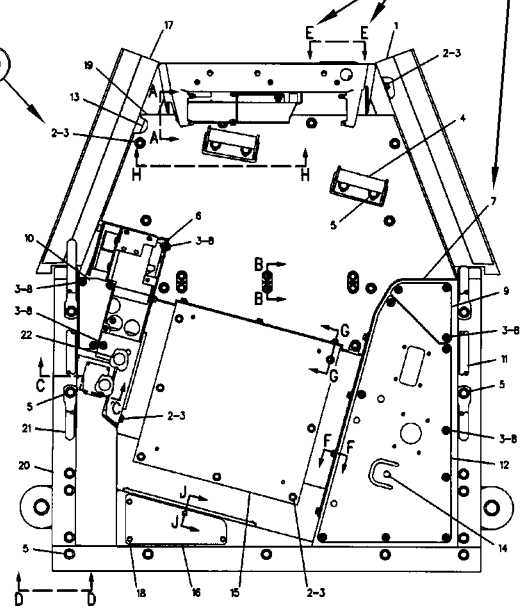
M-METRIC PART

SELP4570-01 — 2 of 4 — FRAME AND BODY 13

## FRAME AND BODY

### 8E-3299 PLATFORM GP-CAB *(contd.)*

100090751



TOP VIEW

GRAPHIC #1

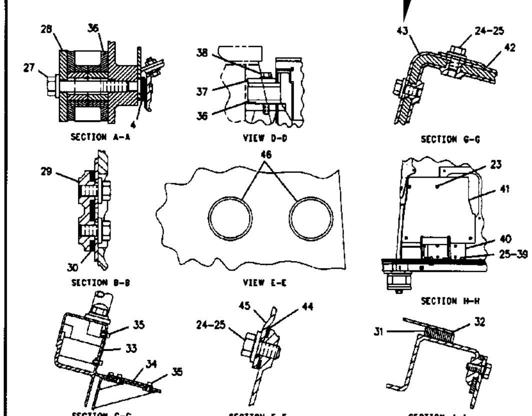
g00036729

14 FRAME AND BODY — 3 of 4 — SELP4570-01

## FRAME AND BODY

### 8E-3299 PLATFORM GP-CAB *(contd.)*

100090751




GRAPHIC #2

g00105874

SELP4570-01 — 4 of 4 — FRAME AND BODY 15

# ALLGEMEINE HINWEISE

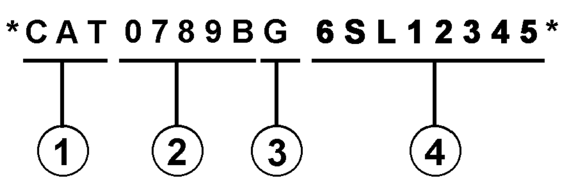
### 1. MASCHINENKENNZEICHNUNG

Caterpillar-Maschinen sind mit PRODUCT IDENTIFICATION NUMBERS (PIN) (Produkt-Identnummern) gekennzeichnet. Einige Baugruppen, z.B. Motoren, Getriebe, Planierschilde und Aufreißer, sind mit SERIAL NUMBERS (S/N) (Seriennummern) gekennzeichnet. An der Maschine und am Motor befinden sich außerdem ARRANGEMENT NUMBERS (Ausrüstungsnummern) sowie in einigen Fällen MODIFICATION NUMBERS (Änderungsnummern). Sie befinden sich auf den PIN-Schildern und auf dem Typenschild im Fahrerhaus.

Bei Ersatzteilbestellungen müssen dem Händler alle diese Nummern zur Verfügung gestellt werden.

SIS ***Neu im Parts Manual***

Vom ersten Quartal 2001 ab wird die Caterpillar Produkt-Identnummer (PIN) von 8 auf 17 Zeichen geändert. Um zur Standardisierung der Produkt-Identnummer beizutragen, sind Caterpillar und andere Baumaschinenhersteller bestrebt, die aktuellste Norm zur Produkt-Identnummerierung einzuführen. Produkt-Identnummern für Baumaschinen sind durch ISO 10261 definiert. Das neue Format der Produkt-Identnummern gilt für alle Caterpillar-Maschinen und -Stromaggregate. Die Produkt-Identschilder und -Identrahmenmarkierung enthalten die aus 17 Zeichen bestehende Identnummer. Das neue Format hat folgende Abschnitte:




Abschnitte:

1. Caterpillars weltweiter Herstellungscode (Zeichen 1-3)

2. Modell (Zeichen 4-8)

3. Kontrollzeichen (Zeichen 9)

4. Maschinenspezifische Kennung (MIS) oder Produktsequenznummer (Zeichen 10-17). Diese wurde früher als Seriennummer bezeichnet.

Für vor dem ersten Quartal 2001 hergestellte Maschinen und Stromaggregate wird das aus 8 Zeichen bestehende PIN-Format beibehalten.

Bauteile wie z.B. Motoren, Getriebe, Achsen sowie Arbeitsgeräte werden weiterhin eine aus 8 Zeichen bestehende Seriennummer (S/N) aufweisen.

### 2. BESTELLEN VON ERSATZTEILEN

**⚠ WARNUNG**

**Wenn für diese Maschine Ersatzteile benötigt werden, empfiehlt Caterpillar, ausschließlich Caterpillar-Ersatzteile oder solche zu verwenden, die die gleichen technischen Merkmale hinsichtlich Typ, Festigkeit, Werkzeugeigenschaften und die gleichen Maße aufweisen.**

**Bei Nichtbeachtung dieser Warnung besteht Verletzungs- oder sogar Lebensgefahr! Ferner kann Nichtbeachtung vorzeitige Ausfälle der Teile und Beschädigung der Maschine zur Folge haben.**

Original Caterpillar-Ersatzteile können weltweit bei jedem Caterpillar-Händlern bestellt werden. Die umfangreichen Händlerlager enthalten normalerweise alle Teile, die Sie für Ihre Caterpillar-Maschine benötigen. Einige Händler bieten Reparatursätze, Austausch- oder werküberholte Teile an, so daß Sie eine Auswahl unter verschiedenen Reparaturmöglichkeiten treffen können. Ihre Bestellung muß folgende Angaben enthalten: Anzahl der benötigten Teile, Bestellnummer, Bezeichnung des Teils, Serien-Nr./Produkt-Ident-Nr., Ausrüstungs-Nr. und Änderungs-Nr. der Maschine, für die diese Teile benötigt werden.

### 3. AUFBAU DES PARTS MANUAL

Die Produktinformationen für alle Komponenten eines bestimmten Modells sind in INFORMATION ELEMENTS (Informationseinheiten) gegliedert. ENGINE ARRANGEMENT (Motorausführung) und SEAT GROUP (Fahrersitz) sind Beispiele für solche Informationseinheiten. Sie sind innerhalb jeder Gruppe alphabetisch, entsprechend der Ersatzteilbezeichnung, und zusätzlich numerisch, entsprechend der Ersatzteilnummer, geordnet.

### 4. INHALTSVERZEICHNIS

**SIS** ***Neu im Parts Manual***

Das Inhaltsverzeichnis befindet sich am Anfang des Buches. Im Inhaltsverzeichnis werden die einzelnen Abschnitte des Buches aufgeführt. Die Abschnitte enthalten eine vollständige Aufstellung aller Informationseinheiten. Diese sind entsprechend ihrem Erscheinen im Buch geordnet. Das Inhaltsverzeichnis enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

### 5. INDEX FÜR WARTUNGSTEILE

Der Index für Wartungsteile vorn im Buch enthält die Bestellnummern, Seitenangaben, Mengenangaben und Informationen über den Einsatzbereich für die am häufigsten benötigten Ersatzteile. Die Angaben sind alphabetisch entsprechend der Teilebezeichnung geordnet.

### 6. INDEX

Der Index vorn im Buch enthält eine alphabetische Liste aller Informationseinheiten. Er enthält Seitenangaben für Schnellverweise auf detaillierte Abbildungen und Teillisten.

### 7. INDEX FÜR BESTELLNUMMERN

Hinten im Buch befindet sich ein numerischer Index, mit allen Bestellnummern und dem Hinweis auf die Seite, auf der sich die betreffende Abbildung befindet.

### 8. ÜBERSCHRIFTEN

Die Überschriften, die sich oben auf den Seiten der Informationseinheiten befinden, enthalten Bestellnummern, Ersatzteilbezeichnungen und zusätzliche beschreibende Informationen. Produkt-Ident- und Seriennummern in den Überschriften sollten zur Auswahl der richtigen Informationen für die betreffende Maschine verwendet werden. Die Überschriften enthalten außerdem Informationen über möglichen Außendienstersatz, mögliche Baugerätekomponenten und die Baugruppe, zu der das Teil gehört.

**SIS** ***Neu im Parts Manual***

Die erste Zeile einer Überschrift erscheint in einer größeren Schriftart, um den Anfang einer Informationseinheit zu kennzeichnen. Überschriften für zusätzliche Seiten, die zur Erläuterung einer Informationseinheit notwendig sind, erscheinen in normaler Schriftart und enthalten den Begriff "(contd.)".

### 9. NICHT EINZELN LIEFERBARE TEILE

**SIS** ***Neu im Parts Manual***

In einigen Fällen ist es notwendig nicht lieferbare Teile, die selbst mit einer eigenen Teilliste im Buch vertreten sind, aufzuführen. Die Bestellnummern dieser nicht einzeln lieferbaren Teile erscheinen kursiv, wodurch angezeigt wird, daß sie nur in Verbindung mit anderen Teilen lieferbar sind.

### 10. REFERENZNUMMER FÜR ERSATZTEILE

**SIS** ***Neu im Parts Manual***

Die Zahlen, die in der Spalte "Ref No" aufgeführt sind, stimmen mit den Zahlen in den beigefügten Abbildungen überein. Ein Buchstaben-Suffix kann zu einer Referenznummer hinzugefügt werden, um zu kennzeichnen, daß das Teil mit einer eigenen Teilliste im Buch aufgeführt ist. Die in der Spalte "Graphic Ref" angeführten Zahlen verweisen auf die Identifikationsnummer der Abbildung, die sich in der linken unteren Ecke der Abbildung befindet. Diese Nummer kann zusammen mit der Referenznummer des Teils angegeben werden, um die richtige Ersatzteilnummer zu ermitteln. Referenznummern können absichtlich weggelassen werden, da die Nummern der lieferbaren Ersatzteile ständig aktualisiert werden.

### 11. EINGERÜCKTE BEZEICHNUNGEN

Wenn eine Bezeichnung eingerückt ist, wird dadurch angezeigt, daß das Teil zu einer Baugruppe gehört, unter deren Bezeichnung es eingerückt ist.

### 12. REFERENZBUCHSTABEN

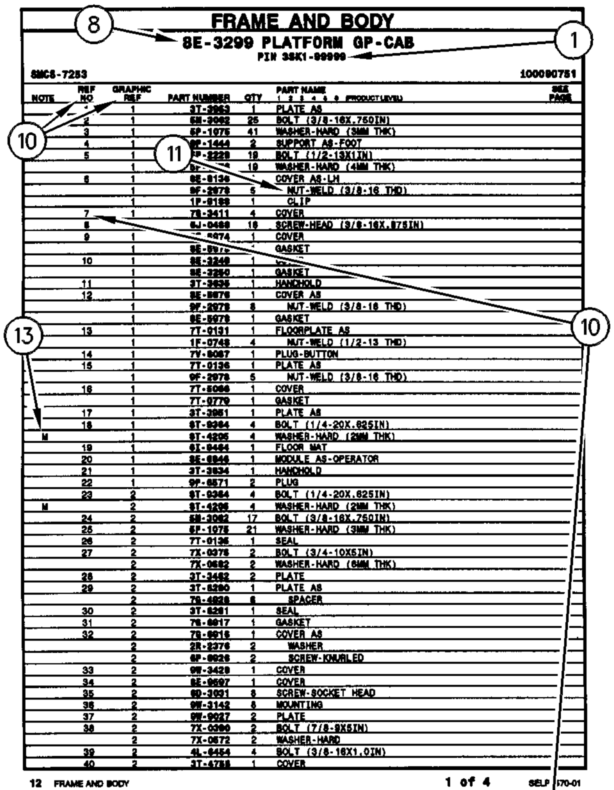
Falls erforderlich sind in den Abbildungen Referenzbuchstaben enthalten (z.B. A, B, C, usw.), die Leitungen und Kabelbäume von einem Punkt zum anderen verfolgen. Außerdem geben sie die Stelle an, an der getrennte Abbildungen fortgesetzt werden.

### 13. ABKÜRZUNGEN UND SYMBOLE

O.D. – Außendurchmesser
I.D. – Innendurchmesser
A – kein Teil dieser Gruppe
B – nach Bedarf verwenden
C – Hinweis auf eine Änderung
D – in Meter-Länge bestellen
E – in Zentimeter-Länge bestellen
F – nicht gezeigt
G – in Zoll-Länge bestellen
I – siehe "Hose Fabrication Guide"
M – metrisches Teil
R – werküberholtes Teil unter Umständen lieferbar
Y – separate Abbildung
Z – nicht einzeln lieferbar

**ANMERKUNG:**

Ständig vorgenommene Verbesserungen und Weiterentwicklungen an Ihrer Maschine können Änderungen verursachen, die in der vorliegenden Ausgabe noch nicht berücksichtigt sind. Fragen zu Ihrer Caterpillar-Maschine oder diesem Ersatzteilbuch beantwortet Ihr Caterpillar-Händler.



## FRAME AND BODY

**8E-3299 PLATFORM GP-CAB**

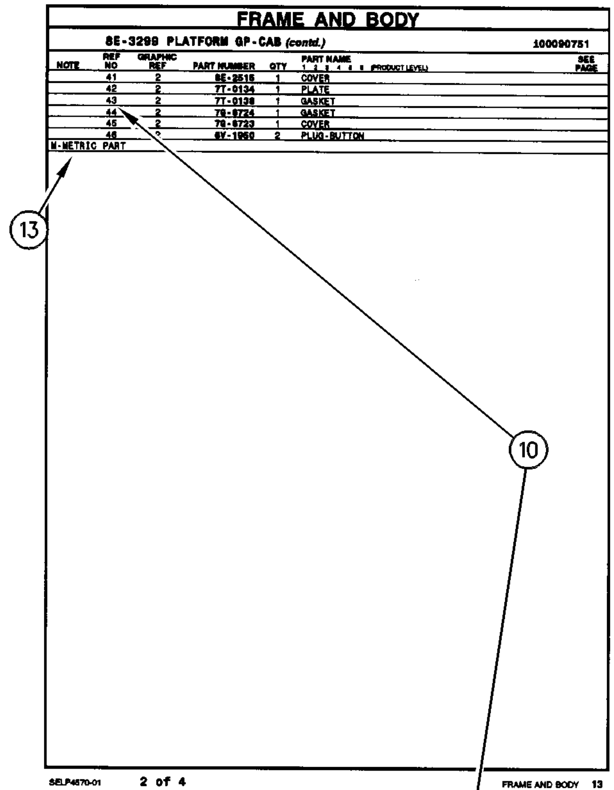
PIN 3SK1-99999

SMCS-7253 100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | 3T-3963 | 1 | PLATE AS | |
| | 2 | 1 | 5M-3062 | 25 | BOLT (3/8-16X.750IN) | |
| | 3 | 1 | 5P-1075 | 41 | WASHER-HARD (3MM THK) | |
| | 4 | 1 | 9P-1444 | 2 | SUPPORT AS-FOOT | |
| | 5 | 1 | [illegible]P-2229 | 19 | BOLT (1/2-13X1IN) | |
| | | 1 | [illegible] | 19 | WASHER-HARD (4MM THK) | |
| | 6 | 1 | 8E-8136 | [illegible] | COVER AS-LH | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 1P-9188 | 1 | CLIP | |
| | 7 | 1 | 7G-3411 | 4 | COVER | |
| | 8 | 1 | 6J-0488 | 16 | SCREW-HEAD (3/8-16X.875IN) | |
| | 9 | 1 | [illegible]-5974 | 1 | COVER | |
| | | 1 | 8E-59[illegible] | [illegible] | GASKET | |
| | 10 | 1 | 8E-3249 | 1 | [illegible] | |
| | | 1 | 8E-3250 | 1 | GASKET | |
| | 11 | 1 | 3T-3635 | 1 | HANDHOLD | |
| | 12 | 1 | 8E-5976 | 1 | COVER AS | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | | 1 | 8E-5978 | 1 | GASKET | |
| | 13 | 1 | 7T-0131 | 1 | FLOORPLATE AS | |
| | | 1 | 1F-0748 | 4 | NUT-WELD (1/2-13 THD) | |
| | 14 | 1 | 7V-8087 | 1 | PLUG-BUTTON | |
| | 15 | 1 | 7T-0136 | 1 | PLATE AS | |
| | | 1 | 9F-2978 | 5 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | 7T-5066 | 1 | COVER | |
| | | 1 | 7T-0779 | 1 | GASKET | |
| | 17 | 1 | 3T-3951 | 1 | PLATE AS | |
| | 18 | 1 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 1 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 19 | 1 | 6I-9464 | 1 | FLOOR MAT | |
| | 20 | 1 | 8E-6946 | 1 | MODULE AS-OPERATOR | |
| | 21 | 1 | 3T-3634 | 1 | HANDHOLD | |
| | 22 | 1 | 9P-6571 | 2 | PLUG | |
| | 23 | 2 | 8T-9364 | 4 | BOLT (1/4-20X.625IN) | |
| M | | 2 | 8T-4205 | 4 | WASHER-HARD (2MM THK) | |
| | 24 | 2 | 5M-3062 | 17 | BOLT (3/8-16X.750IN) | |
| | 25 | 2 | 5P-1075 | 21 | WASHER-HARD (3MM THK) | |
| | 26 | 2 | 7T-0135 | 1 | SEAL | |
| | 27 | 2 | 7X-0378 | 2 | BOLT (3/4-10X5IN) | |
| | | 2 | 7X-0682 | 2 | WASHER-HARD (6MM THK) | |
| | 28 | 2 | 3T-3462 | 2 | PLATE | |
| | 29 | 2 | 3T-6290 | 1 | PLATE AS | |
| | | 2 | 7G-4928 | 6 | SPACER | |
| | 30 | 2 | 3T-6291 | 1 | SEAL | |
| | 31 | 2 | 7G-6917 | 1 | GASKET | |
| | 32 | 2 | 7G-6916 | 1 | COVER AS | |
| | | 2 | 2R-2376 | 2 | WASHER | |
| | | 2 | 6P-6926 | 2 | SCREW-KNURLED | |
| | 33 | 2 | 9W-3429 | 1 | COVER | |
| | 34 | 2 | 8E-9597 | 1 | COVER | |
| | 35 | 2 | 6D-3031 | 8 | SCREW-SOCKET HEAD | |
| | 36 | 2 | 9W-3142 | 8 | MOUNTING | |
| | 37 | 2 | 9W-9027 | 2 | PLATE | |
| | 38 | 2 | 7X-0390 | 2 | BOLT (7/8-9X5IN) | |
| | | 2 | 7X-0572 | 2 | WASHER-HARD | |
| | 39 | 2 | 4L-6454 | 4 | BOLT (3/8-16X1.0IN) | |
| | 40 | 2 | 3T-4758 | 1 | COVER | |

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## FRAME AND BODY

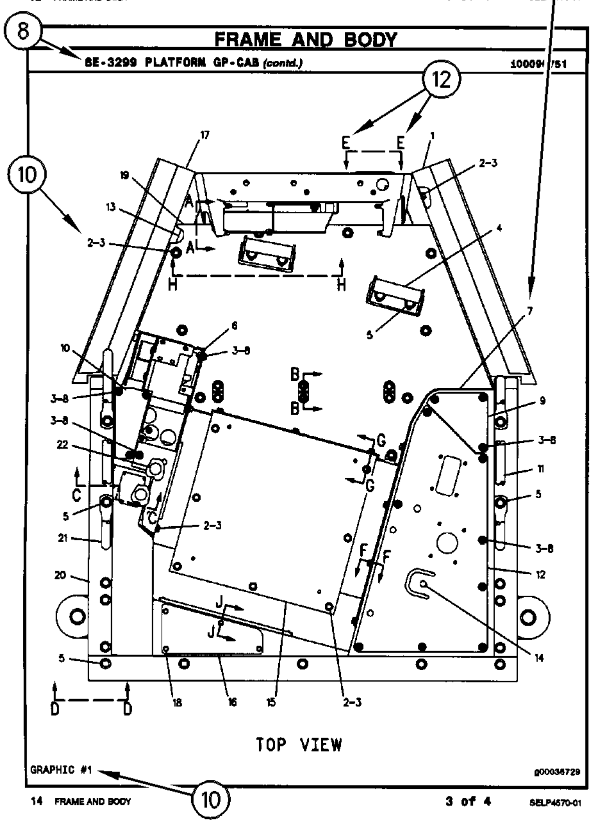
**8E-3299 PLATFORM GP-CAB (contd.)** 100090751

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 2 | 8E-2515 | 1 | COVER | |
| | 42 | 2 | 7T-0134 | 1 | PLATE | |
| | 43 | 2 | 7T-0138 | 1 | GASKET | |
| | 44 | 2 | 7G-6724 | 1 | GASKET | |
| | 45 | 2 | 7G-6723 | 1 | COVER | |
| | 46 | 2 | 6V-1950 | 2 | PLUG-BUTTON | |

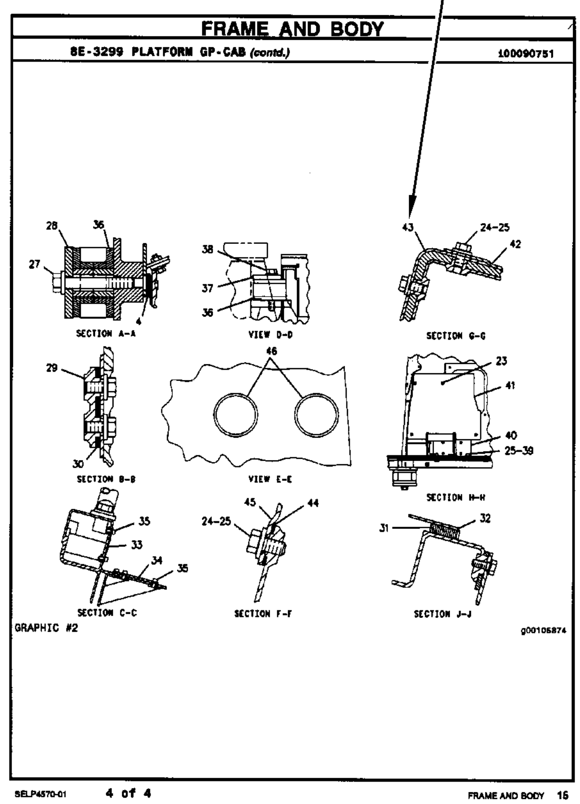
M-METRIC PART

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# REPAIR ALTERNATIVES

## REMANUFACTURED COMPONENTS

As an option when making repairs consider Caterpillar Remanufactured Components. Components that are available through the Caterpillar Remanufactured Program are identified three ways in the parts book:

- with the letter R in the note field of the parts list
- with an R* at the beginning of the first line of the caption
- with an *R at the end of the first line of the caption

Typical components included in the Remanufacturing Program include:

ALTERNATORS
CONNECTING RODS
CRANKSHAFTS - UNDERSIZE
CRANKSHAFTS - UPGRADE TO NEW
CYLINDER HEADS
ELECTRONIC CONTROL MODULES (ECM)
ELECTRONIC SENSORS
FUEL INJECTORS
FUEL NOZZLES
FUEL PUMPS
GOVERNORS
OIL PUMPS
PISTONS
SHORT BLOCKS
STARTERS
TURBOCHARGERS - COMPLETE
TURBOCHARGER CARTRIDGES
WATER PUMPS

Caterpillar Remanufactured engines for many engine arrangements are also available.

# OPTIONS DE RÉPARATION

## COMPOSANTS RÉNOVÉS

Comme option de réparation, considérer les composants rénovés Caterpillar. Les composants disponibles dans le cadre du programme Caterpillar de composants rénovés sont identifiés de trois façons dans le catalogue de pièces:

- avec la lettre "R" dans l'espace note de la liste des pièces
- avec R* au début de la première ligne des légendes
- avec *R à la fin de la première ligne des légendes

Les composants suivants figurent parmi les composants typiques du programme de rénovation:

ALTERNATEURS
BIELLES
VILEBREQUINS - SOUS-DIMENSIONNÉS
VILEBREQUINS - REMIS À NEUF
CULASSES
MODULES DE COMMANDE ÉLECTRONIQUE (ECM)
CAPTEURS ÉLECTRONIQUES
INJECTEURS
TÊTES D'INJECTEURS
POMPES À CARBURANT
RÉGULATEURS
POMPES À HUILE
PISTONS
BLOCS EMBIELLÉS
DÉMARREURS
TURBOCOMPRESSEURS - COMPLETS
CARTOUCHES DE TURBOCOMPRESSEUR
POMPES À EAU

Des moteurs rénovés sont aussi disponibles pour plusieurs versions de moteur.

# ALTERNATIVAS DE REPARACIÓN

## COMPONENTES REMANUFACTURADOS

Al hacer reparaciones, tenga en cuenta la opción de Componentes Remanufacturados Caterpillar. Los componentes que están disponibles por medio del programa de Productos Remanufacturados Caterpillar se identifican de tres maneras en el manual de piezas:

- con la letra R en el espacio de Nota de la lista de piezas
- con una R* al comienzo de la primera línea de la leyenda
- con una *R al final de la primera línea de la leyenda

Los componentes que se incluyen típicamente en el Programa de Productos Remanufacturados son:

ALTERNADORES
BIELAS
CIGÜEÑALES - BAJOMEDIDA
CIGÜEÑALES - REMANUFACTURADOS A NUEVO
CULATAS
MÓDULOS DE CONTROL ELECTRÓNICO (ECM)
SENSORES ELECTRONICOS
INYECTORES
BOQUILLAS
BOMBAS DE COMBUSTIBLE
REGULADORES
BOMBAS DE ACEITE
PISTONES
MONOBLOQUES
MOTORES DE ARRANQUE
TURBOCOMPRESORES - COMPLETOS
NÚCLEOS DE TURBOCOMPRESOR
BOMBAS DE AGUA

También hay disponibles motores Remanufacturados Caterpillar para muchas de las configuraciones de motores.

# ALTERNATIVAS DE REPARO

## COMPONENTES REMANUFATURADOS

Considere o uso de Componentes Remanufaturados Caterpillar ao efetuar reparos. Os componentes disponíveis através do Programa de Remanufatura Caterpillar são identificados de três formas no manual de peças:

- com um R na área da nota da lista de peças
- com um R* no princípio da primeira linha da legenda
- com um *R no final da primeira linha da legenda

Os componentes típicos que constam no Programa de Remanufatura incluem:

ALTERNADORES
BIELAS
VIRABREQUINS - SUBMEDIDAS
VIRABREQUINS - ATUALIZAÇÃO
CABEÇOTES
MÓDULOS DE CONTROLE ELETRÔNICO (ECM)
SENSORES ELETRÔNICOS
INJETORES DE COMBUSTÍVEL
BICOS DE ABASTECIMENTO DE COMBUSTÍVEL
BOMBAS DE COMBUSTÍVEL
GOVERNADORES
BOMBAS DE ÓLEO
PISTÕES
BLOCOS BÁSICOS DO MOTOR
MOTORES DE PARTIDA
TURBOALIMENTADORES - COMPLETOS
CARTUCHOS DE TURBOALIMENTADORES
BOMBAS D’ÁGUA

Motores Remanufaturados Caterpillar também encontram-se disponíveis para diversos arranjos de motor.

# REPARATURALTERNATIVEN

## WERKÜBERHOLTE AT-PRODUKTE

Bei Reparaturen sollten werküberholte AT-Produkte von Caterpillar in Betracht gezogen werden. Die durch das AT-Programm von Caterpillar erhältlichen Teile sind im Parts Book auf drei verschiedene Arten gekennzeichnet:

- mit dem Buchstaben R in der Spalte NOTE der Ersatzteilliste
- mit einem R* am Anfang der ersten Zeile der Überschrift
- mit einem *R am Ende der ersten Zeile der Überschrift

Das AT-Programm umfaßt u.a. folgende Produkte:

DREHSTROMGENERATOREN
PLEUELSTANGEN
KURBELWELLEN - MIT UNTERMASS
KURBELWELLEN - MIT ORIGINALMASS
ZYLINDERKÖPFE
ELEKTRONISCHE STEUEREINHEITEN (EMC)
ELEKTRONISCHE SENSOREN
PUMPENDÜSEN
EINSPRITZDÜSEN
KRAFTSTOFFPUMPEN
DREHZAHLREGLER
ÖLPUMPEN
KOLBEN
TEILMOTOREN
ANLASSER
TURBOLADER - KOMPLETT
TURBOLADERLAUFZEUGE
KÜHLWASSERPUMPEN

Viele Motoren können durch werküberholte AT-Motoren von Caterpillar ersetzt werden.

# SUPPLEMENTAL COOLANT ADDITIVES

**CUSTOMER BENEFITS:**

Protects against cavitation, foam, erosion, corrosion, and scale buildup in cooling systems.

- Provides measured coolant conditioner.

**DESCRIPTION:**

Additives deplete from the coolant with normal operation. For this reason, Supplemental Coolant Additives (SCA) must be added to all heavy duty coolants at regular intervals. In addition, when not using a fully formulated, pre-charged antifreeze, like Caterpillar's DEAC, an initial charge of SCA must be added to the cooling system. The amount of SCA added to the system is dependent on the capacity of the system.

The SCA for initial fill is provided as a liquid. SCA's for maintenance intervals are available in liquid form and as a spin-on element. (No Spin-on available for 3600 Family of Engines)

**NOTE:**

The amount of SCA added at initial fill is not the same as the amount added at maintenance intervals.

The coolant additive elements can be used with any ethylene or propylene glycol type antifreeze which meets ASTM D4985 or ASTM D5345 Specifications.

**NOTE:**

For use with standard heavy duty coolant only, not for use with Extended Life Coolant.

**PARTS NEEDED:**

| Cooling System Capacity | | Liquid SCA at Initial Fill | Liquid SCA at Maintenance* | Spin-on SCA Maintenance Element* |
|---|---|---|---|---|
| Liters | Gallons | | | |
| 22-30 | (6-8) | 3P-2044 (1) | 6V-3542 (1) | 111-2370 (1) |
| 30-38 | (8-10) | 3P-2044 (1)<br>6V-3542 (1) | 111-2372 (1) | 111-2369 (1) |
| 38-49 | (10-13) | 3P-2044 (1)<br>8T-1589 (1) | 111-2372 (1) | 111-2369 (1) |
| 49-64 | (13-17) | 3P-2044 (2) | 8T-1589 (1) | 9N-3368 (1) |
| 64-83 | (17-22) | 3P-2044 (2)<br>8T-1589 (1) | 111-2372 (1)<br>6V-3542 (1) | 111-2371 (1) |
| 83-114 | (22-30) | 3P-2044 (3)<br>8T-1589 (1) | 3P-2044 (1) | 9N-3718 (1) |
| 114-163 | (30-43) | 3P-2044 (5) | 3P-2044 (1)<br>6V-3542 (1) | 111-2371 (2) |
| 163-242 | (43-64) | 3P-2044 (8) | 3P-2044 (2) | 9N-3718 (2) |

** Normal maintenance period is 250 hrs. See your Operation and Maintenance Manual for complete coolant maintenance instructions.*

( ) Indicates quantity required.

# ADDITIFS POUR LIQUIDE DE REFROIDISSEMENT

## AVANTAGES POUR LE CLIENT

L'additif protège contre la cavitation, la mousse, l'érosion, la corrosion et l'accumulation de dépôts dans le circuit de refroidissement.

- L'additif complémentaire fournit une quantité mesurée d'additif.

## DESCRIPTION:

Les additifs s'épuisent pendant l'utilisation du moteur. C'est pourquoi l'on doit ajouter de l'additif au liquide de refroidissement/antigel pour moteurs diesel à intervalles réguliers. En plus, si l'on n'utilise pas de l'antigel entièrement formulé et pré-chargé comme le liquide de refroidissement/antigel Caterpillar pour moteurs diesel, une quantité initiale d'additif doit être ajoutée au circuit de refroidissement. La quantité d'additif à ajouter au circuit dépend de la contenance du circuit.

L'additif pour le remplissage initial est fourni sous forme liquide. L'additif pour l'entretien ultérieur est disponible sous forme liquide et sous forme d'élément à visser. (Il n'y a pas d'élément à visser pour les moteurs de la famille 3600).

## NOTA:

La quantité d'additif à ajouter au remplissage initial diffère de la quantité à ajouter aux intervalles d'entretien.

Les éléments d'additif peuvent être utilisés avec tout antigel de type éthylène ou propylène-glycol conforme à la norme ASTM D4985 ou ASTM D5345.

## NOTA:

A utiliser uniquement avec du liquide de refroidissement pour moteurs diesel et non avec le liquide de refroidissement longue durée.

## PIÈCES NÉCESSAIRES:

| Contenance du circuit de refroidissement | | Additif liquide au remplissage initial | Additif liquide aux intervalles d'entretien* | Elément d'additif à visser aux intervalles d'entretien* |
|---|---|---|---|---|
| Litres | Gallons U.S. | | | |
| 22-30 | (6-8) | 3P-2044 (1) | 6V-3542 (1) | 111-2370 (1) |
| 30-38 | (8-10) | 3P-2044 (1)<br>6V-3542 (1) | 111-2372 (1) | 111-2369 (1) |
| 38-49 | (10-13) | 3P-2044 (1)<br>8T-1589 (1) | 111-2372 (1) | 111-2369 (1) |
| 49-64 | (13-17) | 3P-2044 (2) | 8T-1589 (1) | 9N-3368 (1) |
| 64-83 | (17-22) | 3P-2044 (2)<br>8T-1589 (1) | 111-2372 (1)<br>6V-3542 (1) | 111-2371 (1) |
| 83-114 | (22-30) | 3P-2044 (3)<br>8T-1589 (1) | 3P-2044 (1) | 9N-3718 (1) |
| 114-163 | (30-43) | 3P-2044 (5) | 3P-2044 (1)<br>6V-3542 (1) | 111-2371 (2) |
| 163-242 | (43-64) | 3P-2044 (8) | 3P-2044 (2) | 9N-3718 (2) |

** L'intervalle d'entretien normal est de 250 heures-service. Voir le Guide d'utilisation et d'entretien pour de plus amples renseignements concernant l'entretien du circuit de refroidissement.*

( ) Indique la quantité exigée.

# ADITIVOS DE REFRIGERANTE SUPLEMENTARIOS

**VENTAJAS PARA EL USUARIO:**

Protegen contra la cavitación, la formación de espuma, la corrosión y la acumulación de escamas en los sistemas de enfriamiento.

- Suministra un acondicionador dosificado de refrigerante.

**DESCRIPCIÓN:**

Los aditivos en el refrigerante se agotan con la operación normal. Por esta razón, se debe agregar Aditivo de refrigerante suplementario (SCA) a todos los refrigerantes para servicio pesado, a intervalos regulares. Además, cuando no se usa un anticongelante de precarga completo, tal como el DEAC de Caterpillar, es necesario agregar una cantidad de aditivo de refrigerante suplementario inicial al sistema de enfriamiento. La cantidad de aditivo que se debe agregar depende de la capacidad del sistema.

El SCA de llenado inicial es líquido. El que se usa para el mantenimiento está disponible tanto en líquido como en un elemento enroscable. (No hay elemento enroscable disponible para la Familia de Motores 3600).

**NOTA:**

La cantidad de aditivo de llenado inicial no es la misma que se agrega en los intervalos de mantenimiento.

Los elementos de aditivo de refrigerante se pueden usar con cualquier anticongelante de tipo glicol etilénico o propílico que esté de acuerdo con las especificaciones de las normas ASTM D4985 o ASTM D5345.

**NOTA:**

Se debe utilizar únicamente con refrigerante estándar para servicio pesado; no se debe usar con Refrigerante de Larga Duración.

**PIEZAS NECESARIAS:**

| Capacidad del Sistema de Enfriamiento | | SCA líquido de llenado inicial | SCA líquido de mantenimiento* | Elemento de mantenimiento enroscable* |
|---|---|---|---|---|
| litros | gal EE.UU. | | | |
| 22-30 | 6-8 | 3P-2044 (1) | 6V-3542 (1) | 111-2370 (1) |
| 30-38 | 8-10 | 3P-2044 (1)<br>6V-3542 (1) | 111-2372 (1) | 111-2369 (1) |
| 38-49 | 10-13 | 3P-2044 (1)<br>8T-1589 (1) | 111-2372 (1) | 111-2369 (1) |
| 49-64 | 13-17 | 3P-2044 (2) | 8T-1589 (1) | 9N-3368 (1) |
| 64-83 | 17-22 | 3P-2044 (2)<br>8T-1589 (1) | 111-2372 (1)<br>6V-3542 (1) | 111-2371 (1) |
| 83-114 | 22-30 | 3P-2044 (3)<br>8T-1589 (1) | 3P-2044 (1) | 9N-3718 (1) |
| 114-163 | 30-43 | 3P-2044 (5) | 3P-2044 (1)<br>6V-3542 (1) | 111-2371 (2) |
| 163-242 | 43-64 | 3P-2044 (8) | 3P-2044 (2) | 9N-3718 (2) |

** El período normal de mantenimiento es de 250 horas. Para ver las instrucciones completas sobre el mantenimiento del refrigerante, consulte el Manual de Operación y Mantenimiento.*

( ) Indica la cantidad necesaria.

# ADITIVOS SUPLEMENTARES DO LÍQUIDO ARREFECEDOR

**BENEFÍCIOS PARA O CLIENTE:**

Protege contra cavitação, espuma, erosão, corrosão e acúmulo de crostas nos sistemas de arrefecimento.

- Fornece uma quantidade pré-determinada de condicionador de arrefecimento.

**DESCRIÇÃO:**

Com a operação normal, os aditivos se esgotam do líquido arrefecedor. Por isso, Aditivos Suplementares do Líquido Arrefecedor (SCA) devem ser acrescentados a todos os líquidos arrefecedores para serviço pesado em intervalos regulares. Além disso, quando um anticongelante pré-carregado, totalmente formulado não for usado, como o DEAC Caterpillar, uma carga inicial de SCA deve ser acrescentada ao sistema de arrefecimento. A quantidade de SCA acrescentada ao sistema depende da capacidade do sistema.

O SCA para abastecimento inicial é fornecido em forma de líquido. Os aditivos suplementares (SCA) para intervalos de manutenção estão à disposição em forma líquida e como um elemento com roscas. (Exceto os Motores da Família 3600)

**NOTA:**

A quantidade de SCA adicionada no abastecimento inicial não é a mesma que a acrescentada nos intervalos de manutenção.

Os elementos do aditivo do líquido arrefecedor podem ser usados com qualquer tipo de anticongelante etileno ou propileno que satisfaz as Especificações ASTM D4985 ou ASTM D5345.

**NOTA:**

Para uso apenas com líquido arrefecedor para serviço pesado padrão, não deve ser usado com Líquido Arrefecedor de Vida Longa.

**PEÇAS NECESSÁRIAS:**

| Capacidade do Sistema de Arrefecimento | | Líquido SCA Durante Abastecimento Inicial | Líquido SCA Durante Manutenção* | Elemento de Manutenção de SCA com Roscas* |
|---|---|---|---|---|
| Litros | Galões | | | |
| 22-30 | 6-8 | 3P-2044 (1) | 6V-3542 (1) | 111-2370 (1) |
| 30-38 | 8-10 | 3P-2044 (1)<br>6V-3542 (1) | 111-2372 (1) | 111-2369 (1) |
| 38-49 | 10-13 | 3P-2044 (1)<br>8T-1589 (1) | 111-2372 (1) | 111-2369 (1) |
| 49-64 | 13-17 | 3P-2044 (2) | 8T-1589 (1) | 9N-3368 (1) |
| 64-83 | 17-22 | 3P-2044 (2)<br>8T-1589 (1) | 111-2372 (1)<br>6V-3542 (1) | 111-2371 (1) |
| 83-114 | 22-30 | 3P-2044 (3)<br>8T-1589 (1) | 3P-2044 (1) | 9N-3718 (1) |
| 114-163 | 30-43 | 3P-2044 (5) | 3P-2044 (1)<br>6V-3542 (1) | 111-2371 (2) |
| 163-242 | 43-64 | 3P-2044 (8) | 3P-2044 (2) | 9N-3718 (2) |

** O período normal de manutenção é de 250 horas. Consulte o Manual de Operação e Manutenção para obter instruções completas quanto à manutenção do líquido arrefecedor.*

( ) Indica a quantidade exigida.

# KÜHLMITTELZUSATZ

### VORTEILE FÜR DEN KUNDEN:

Schutz gegen Kavitation, Schaumbildung, Erosion, Korrosion und Kesselsteinbildung in Kühlsystemen.

- Richtig dosierter Kühlmittelzusatz

### BESCHREIBUNG:

Additive erschöpfen sich während des Motorbetriebs. Deshalb muß allen HD-Kühlmitteln regelmäßig Kühlmittelzusatz beigefügt werden. Wenn bei Erstfüllung kein vollwertiges Fertigkühlmittel, wie das Frostschutz- und Kühlmittel für Dieselmotoren von Caterpiller (DEAC), verwendet wird, muß bei Erstfüllung Kühlmittelzusatz beigefügt werden. Wieviel Kühlmittelzusatz beigefügt werden muß, hängt vom Inhalt des Kühlsystems ab.

Für Erstfüllung ist Kühlmittelzusatz nur in flüssiger Form erhältlich. Für Wartungsintervalle ist Kühlmittelzusatz in flüssiger Form und als Zusatzelement erhältlich. (Für die Motorbaureihe 3600 sind keine Zusatzelemente erhältlich.)

### ANMERKUNG:

Die Kühlmittelmenge bei Erstfüllung ist nicht die gleiche Menge, die bei Wartungsintervallen beigefügt werden muß.

Die Kühlmittelzusatzelemente können mit allen Frostschutzmitteln auf Ethylen- oder Propylenglykolbasis verwendet werden, die den Standards nach ASTM D4985 oder ASTM D5345 entsprechen.

### ANMERKUNG:

Den Kühlmittelzusatz nicht mit Langzeitkühlmittel (ELC) von Caterpillar verwenden. Der Kühlmittelzusatz ist nur für HD-Kühlmittel bestimmt.

### TEILEBEZEICHNUNG:

| Kühlsysteminhalt | | Kühlmittelzusatz bei Erstfüllung | Flüssiger Kühlmittelzusatz bei Wartung* | Kühlmittelzusatzelement bei Wartung* |
|---|---|---|---|---|
| Liter | US-Gall. | | | |
| 22-30 | (6-8) | 3P-2044 (1) | 6V-3542 (1) | 111-2370 (1) |
| 30-38 | (8-10) | 3P-2044 (1)<br>6V-3542 (1) | 111-2372 (1) | 111-2369 (1) |
| 38-49 | (10-13) | 3P-2044 (1)<br>8T-1589 (1) | 111-2372 (1) | 111-2369 (1) |
| 49-64 | (13-17) | 3P-2044 (2) | 8T-1589 (1) | 9N-3368 (1) |
| 64-83 | (17-22) | 3P-2044 (2)<br>8T-1589 (1) | 111-2372 (1)<br>6V-3542 (1) | 111-2371 (1) |
| 83-114 | (22-30) | 3P-2044 (3)<br>8T-1589 (1) | 3P-2044 (1) | 9N-3718 (1) |
| 114-163 | (30-43) | 3P-2044 (5) | 3P-2044 (1)<br>6V-3542 (1) | 111-2371 (2) |
| 163-242 | (43-64) | 3P-2044 (8) | 3P-2044 (2) | 9N-3718 (2) |

** Der normale Wartungsintervall beträgt 250 Betriebsstunden. Für vollständige Anweisungen zur Wartung des Kühlsystems, siehe Betriebs- und Wartungshandbuch.*

( ) Erforderliche Anzahl

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| ABOVE | Acima |
| ABSORBER | Amortecedor |
| ACCESSORY | Acessório |
| ACTUATOR | Acionador |
| ADAPTER | Adaptador |
| ADHESIVE | Adesivo |
| ADJUSTER | Adjustador |
| AFTERCOOLER | Pós-resfriador |
| AIR | Ar |
| AIR CLEANER | Purificador de ar |
| AIR SYSTEM | Sistema de ar |
| ALARM | Alarme |
| ALTERNATOR | Alternador |
| AMMETER | Amperímetro |
| ANCHOR | Âncora, fixador |
| ANGLE | Ângulo, canto |
| ANVIL A. | Bigorna conj. |
| ARBOR | Mandril, eixo |
| ARM | Braço |
| ARMATURE | Armadura, Induzida |
| ARM REST | Apoio para braço |
| ARRESTER | Detentor |
| ASSEM. = ASSEMBLY | Conjunto |
| ATTACHMENT | Acessório |
| AVAILABLE | Disponível |
| AXLE | Eixo |
| AXLE SHAFT | Semi-eixo, ponta |
| BACK-UP ALARM | Alarme de marcha à ré |
| BACK-UP LIGHT | Luz da marcha à ré |
| BACK-UP SWITCH | Interruptor de marcha à ré |
| BACKBOARD | Prancha traseira |
| BACK CUSHION | Encosto |
| BACKHOE | Retroescavadeira |
| BAFFLE | Defletor |
| BAG | Saco, sacola |
| BAIL | Alça |
| BALANCER | Balanceador |
| BALL | Esfera |
| BALLCHECK ASSEMBLY | Conjunto de (válvula) de esfera de retenção |
| BALL JOINT | Junta esférica |
| BALLSTUD | Munhão esférica |
| BAND | Banda, cinta, tira |
| BAND & LINING | Banda e revestimento |
| BAR | Barra |
| BARREL | Cilindro |
| BARRIER | Barreira |
| BASE | Base |
| BASIN | Bacia, coletor |
| BATTERY | Bateria |
| BEAM | Barra, viga, trave |
| BEARING | Mancal, rolamento |
| BEARING BALL | Rolamento de esferas |

| INGLÊS | PORTUGUÊS |
|---|---|
| BEARING-SLEEVE | Mancal tipo luva |
| BEARING-NEEDLE | Rolamento de agulha |
| BEARING-ROLLER | Rolamento tipo roletes |
| BELL | Campânula |
| BELLCRANK | Alavanca angular |
| BELLOWS | Fole |
| BELOW | Abaixo |
| BELT | Correia, cinto |
| BELT TIGHTENER | Ajustador de correia |
| BEVEL GEAR | Coroa |
| BIT-CUTTER | Broca, fresa |
| BLACK | Preto |
| BLADE | Lâmina |
| BLEEDER | Sangrador |
| BLOCK | Bloco, calço |
| BLOWER | Ventilador |
| BLUE | Azul |
| BOARD | Prancha, tábua |
| BODY | Corpo |
| BOLT | Parafuso |
| BONNET | Tampa |
| BOOM | Lança |
| BOOSTER | Reforçador |
| BOOT | Protetor contra poeira |
| BORE | Furo |
| BOSS | Ressalto |
| BOTH | Ambos (as) |
| BOTTOM | Fundo |
| BOWL | Caçamba |
| BOX | Caixa |
| BRACE | Tirante |
| BRACKET | Suporte |
| BRAKE | Freio |
| BREAKER | Interruptor |
| BREATHER | Respiro |
| BRIDGE | Braço |
| BROWN | Marrom |
| BRUSH | Escova |
| BUCKET | Caçamba |
| BULB | Bulbo |
| BULLDOZER | Bulldozer |
| BUMPER | Pára-choque |
| BUSHING | Bucha |
| BUTTON | Botão |
| BUZZER WARNING | Alarme sonoro |
| C = CHANGE | Alteração |
| CAB | Cabina |
| CABINET | Gabinete |
| CABLE | Cabo |
| CAGE | Alojamento |
| CALIPER | Calibrador |
| CAM | Excêntrico, ressalto |
| CAMSHAFT | Eixo-comando-de-válvulas |
| CANOPY | Coberta, toldo |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| CAP | Tampa |
| CAPACITOR | Capacitor, condensador |
| CARBURETOR | Caburador |
| CARCASS | Carcaça |
| CARRIER | Suporte |
| CARTON | Caixa de papelão |
| CARTRIDGE | Cartucho |
| CASE | Caixa, alojamento |
| CASING | Invólucro, revestimento |
| CASTER | Rolete, roldana |
| CAST IRON | Ferro fundido |
| CATWALK | Passadiço |
| CENTER | Centro |
| CHAIN | Corrente |
| CHAMBER | Câmara |
| CHANGEOVER | Modificação |
| CHANNEL | Canal |
| CHASSIS | Chassi, armação |
| CHECK-VALVE | Válvula de retenção |
| CIRCUIT | Circuito |
| CIRCUIT BREAKER | Interruptor de circuito |
| CLAMP | Braçadeira |
| CLASP | Fecho, grampo |
| CLEANER | Purificador |
| CLEVIS | Forquilha, garfo |
| CLIP | Clipe, presilha, grampo |
| CLOSURE | Fecho |
| CLUTCH | Embreagem |
| COARSE | Grosso, áspero |
| COATING | Capa, revestimento |
| COCK | Torneira |
| COIL | Bobina, serpentina |
| COLLAR | Colar |
| COLLECTOR | Coletor |
| COLLET | Mandril |
| COLUMN | Coluna |
| COMPACTOR | Compactador |
| COMPARTMENT | Compartimento |
| COMPLETE | Completo |
| COMPOUND | Composto |
| COMPRESSOR | Compressor |
| CONCAVE | Côncavo |
| CONDITIONER | Condicionador |
| CONDUIT | Conduite, eletroduto |
| CONE | Cone |
| CONNECTING | Ligação |
| CONNECTED ROD | Biela |
| CONNECTION | Conexão |
| CONNECTOR | Conetor |
| CONSISTS OF | Consiste de |
| CONSOLE | Consolo |
| CONTACT | Contato, platinado |
| CONTACTOR | Contactador |
| CONTINUED FROM | Continuação de |
| CONTROL | Controle |
| CONVERSION | Conversão |
| CONVERTER | Conversor |
| COOLER | Arrefecedor |
| COOLING | Arrefecimento |
| CORK | Cortiça |
| CORE | Núcleo |
| CORNER | Canto |
| COTTER PIN | Contrapino |
| COUNTER | Contador, tacômetro |
| COUNTERWEIGHT | Contrapeso |
| COUPLER | Acoplador, engate |
| COUPLING | Acoplamento, conexão |
| COVER | Tampa |
| COWL | Capota |
| COWLING | Capota |
| CRADLE | Armação, suporte |
| CRANK | Manivela |
| CRANKCASE | Cárter |
| CRANKSHAFT | Virabrequim |
| CROSS UNION | Junta transversal |
| CROSSBAR | Barra transversal |
| CUP | Capa, anel externa |
| CURTAIN | Cortina |
| CUSHION | Almofada, amortecedor |
| CUTTER | Fresa, cortador |
| CUTTING EDGE | Borda cortante |
| CYLINDER | Cilindro |
| CYLINDER BLOCK | Bloco do motor |
| CYLINDER HEAD | Cabeçote |
| DAMPER | Amortecedor |
| DARK GREEN | Verde escuro |
| DASH | Painel |
| DASH PANEL | Painel de Instrumento |
| DECELERATOR | Desacelerador |
| DEFLECTOR | Defletor |
| DETENT | Retém, pino de trava |
| DIAGRAM-WIRING | Diagrama dos circuitos elétricos |
| DIAL | Medidor de dial |
| DIAPHRAGM | Diafragma |
| DIESEL ENGINE COMPLETE | Motor diesel completo |
| DIFFERENTIAL | Diferencial |
| DIFFUSER | Difusor |
| DIMMER | Redutor de luminosidade |
| DIODE | Diodo |
| DIRECTOR | Diretor |
| DISC | Disco |
| DISCONNECT | Desligar |
| DISPOSABLE | Disponível, substituível |
| DISSIPATOR | Dissipador de calor |
| DISTRIBUTOR | Distribuidor |
| DM = DECIMETER | dm = decímetro |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| DOME LIGHT | Lâmpada do teto |
| DOOR | Porta |
| DOWEL | Pino-guia, cavilha |
| DOWNSHIFT | Mudança para marcha mais baixa |
| DOZER | Bulldozer (lâmina) |
| DRAIN | Dreno |
| DRAWBAR | Barra de tração |
| DRILL | Broca |
| DRILLED | Broqueado, perturado |
| DRIVE | Comando, acionamento, propulsão |
| DRIVER | Acionador, mecanismo propulsor |
| DRIVESHAFT | Eixo acionador, eixo de transmissão |
| DRUM | Tambor |
| DUCT | Conduto, canal |
| EACH | Cada |
| EDGE | Borda, canto |
| EFFECTIVE WITH | Efetivo a partir de |
| EJECTOR | Ejetor |
| ELBOW | Cotovelo |
| ELEMENT | Elemento |
| ENCLOSURE | Cobertura |
| END | Extremidade |
| END BIT | Canto de lâmina |
| END VIEW | Vista traseira |
| ENGINE | Motor |
| ENGINE ARRANGEMENT | Arranjo do motor |
| EXCEPT | Exceto |
| EXHAUST | Escape |
| EXHAUST PIPE | Cano de escape |
| EXPANDER | Expansor |
| EXPANSION PLUG | Bujão de expansão |
| EXTENSION | Extensão |
| EXTINGUISHER | Extintor |
| EXTRACTOR | Extrator |
| EYE | Olhal |
| EYEBOLT | Parafuso de olhal |
| FABRIC | Tecido, tela textura |
| FACING | Revestimento, forro |
| FAN | Ventilador |
| FASTENED | Fixo, preso |
| FASTENER | Fixador, prendedor |
| FENDER | Pára-lamas |
| FERRULE | Virola |
| FIELD COIL | Bobina indutora, ou de campo |
| FIELD REPLACEMENT | Reposicão ou substituicão no campo |
| FILLER | Bocal de enchimento |
| FILM | Película |
| FILTER | Filtro |
| FINAL DRIVE | Comando final |
| FINGER | Dedo |
| FIREWALL | Parede contra fogo |
| FITTING | Graxeira, conexão |
| FIXTURE | Dispositivo, Aparelho |
| FLANGE | Flange |
| FLASHER | Luz intermitente |
| FLOAT | Flutuar, livre |
| FLOOD-LAMP | Farol |
| FLOOR | Piso |
| FLOORMAT | Tapete |
| FLOORPLATE | Chapa do piso |
| FLYWEIGHT | Peso volante |
| FLYWHEEL | Volante |
| FOLLOWER | Seguidor |
| FOOT | Pé |
| FORK | Garfo |
| FOR USE WITH | Para usar com |
| FOUNDATION | Assentamento, alicerce |
| FRAME | Armacão, chassi |
| FRONT | Frente, dianteiro |
| FT = FOOT | Pé |
| FUEL INJECTION | Injecão de combustível |
| FUEL PUMP | Bomba de combustível |
| FUEL RATIO | Limitador de combustível |
| FUEL SYSTEM | Sistema do combustível |
| FUEL TANK | Tanque do combustível |
| FUMES DISPOSAL | Eliminação de vapores do cárter |
| FUSE | Fusível |
| G = GROUP | Grupo |
| GAGE | Indicador, manômetro |
| GAP | Folga, lacuna, intervalo |
| GASKET | Junta |
| GASKET KIT | Jogo de junta |
| GATE | Entrada, trava |
| GAUGE | Indicador, manômetro |
| GEAR | Engrenagem, marcha |
| GEAR BOX | Caixa de engrenagem |
| GEAR PUMP | Bomba de engrenagem |
| GENERATOR | Gerador |
| GLAND | Junta, gaxeta, vedacão sobreposta |
| GLASS | Vidro |
| GLOW PLUG | Vela incandescente |
| GOVERNOR | Governador |
| GRAB IRON | Balaústre corrimão |
| GRATE | Grade, grelha |
| GRAY | Cinza |
| GRID | Grade, grelha |
| GRILL | Grade, grelha |
| GRIP | Pega, garra, cabo |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| GROMMET | Ilhós |
| GROUND BRUSH | Escova-terra |
| GROUND (ELECTRIC) | Terra (eletricidade) |
| GROUSER | Garra (de sapata) |
| GUARD | Protetor |
| GUIDE | Guia |
| GUSSET | Cantoneira |
| HACKSAW | Serra para metais |
| HALF | Metade, meio (a) |
| HALF LINK | Semi-elo |
| HAMMER | Martelo |
| HAND CONTROL | Controle manual |
| HANDLE | Cabo, alça |
| HANDRAIL | Corrimão, balaústre |
| HANGER | Suporte, dispositivo de suspensão |
| HARDWARE | Ferragem |
| HARDWARE KIT | Jogo de ferragem |
| HARNESS | Chicote |
| HEAD = HD | Cabeça |
| HEADER | Coletor |
| HEADLAMP | Farol dianteiro |
| HEADLIGHT | Farol dianteiro |
| HEAT SINK | Difusor de calor |
| HEATER | Aquecedor |
| HIGH-IDLE | Marcha acelerada em vazio |
| HINGE | Dobradiça, articulacão |
| HITCH | Engate |
| HOIST | Guincho, talha |
| HOLD | Suporte, fixador |
| HOLD DOWN | Fixar, reter, manter abaixado |
| HOLDER | Fixador, suporte |
| HOLE | Furo, buraco |
| HOOD | Capô |
| HOOD & DASH | Capô e painel |
| HOOK | Gancho |
| HORN | Buzina |
| HOSE | Mangueira |
| HOUSING | Alojamento |
| HUB | Cubo |
| HYDRAULIC | Hidráulico |
| ID = INSIDE DIAMETER | Diâmetro interno |
| IDLER | Roda-guia |
| IDLER & SHAFT | Roda-guia e eixo |
| IDLER GEAR | Engrenagem intermediária |
| IDLER PULLEY | Polia intermediária |
| IMPELLER | Impulsor, rotor |
| IN = INCH | Polegada |
| INCLUDES | Inclui |
| INDICATE | Indicam |
| INDICATOR | Indicador |
| INLAY | Incrustação |
| INLET | Admissão, entrada |
| INPUT | Entrada |
| INSERT | Inserção |
| INSTALLATION | Instalação |
| INSTALLED ON MODEL | Instalação no modelo |
| INSTRUCTION | Instrução |
| INSTRUMENT | Instrumento |
| INSULATED BRUSH | Escova isolada |
| INSULATION | Isolação, isolamento |
| INSULATOR | Isolante, isolador |
| INTAKE | Admissão |
| INTERLOCK | Trava interna |
| INTERMEDIATE | Intermediário |
| INTERNAL | Interno |
| INVERTER | Inversor |
| IRON | Ferro |
| JACK | Macaco |
| JAW | Mandíbula, garra |
| JET | Jato, vaporizador |
| JOINT | Junta, articulação |
| JUNCTION | Junção |
| KEY | Chaveta |
| KINGBOLT | Pino de engate |
| KNIFE | Faca, lâmina |
| KNOB | Maçaneta, botão |
| LADDER | Escada |
| LAMP | Lâmpada |
| LARGE | Grande |
| LATCH | Trinco, lingüeta |
| LEAD | Condutor, cabo |
| LEG | Perna |
| LENS | Lente |
| LEVEL | Nível |
| LEVER | Alavanca |
| L.H. = LEFT HAND | Lado esquerdo |
| LID | Placa, tampa |
| LIFT | Levantar |
| LIFT CYLINDER | Cilindro de levantamento |
| LIFTER | Tucho |
| LIFTING EYE | Olhal de levantamento |
| LIGHT GREEN | Verde claro |
| LIGHTING | Sistema de iluminação |
| LINE | Tubulação |
| LINER | Camisa |
| LINES & PUMP | Tubulação e bomba |
| LINES & VALVE | Tubulação e válvula |
| LINING | Revestimento, lona |
| LINK | Elo |
| LINKAGE | Articulação |
| LIP | Lábio, borda |
| LISTED | Relacionamento |
| LITERATURE | Literatura |
| LOCATED | Localizado |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| LOCATOR | Localizador |
| LOCK | Trava |
| LOCKNUT | Contraporca |
| LOCKWASHER | Arruela de pressão |
| LOCKWIRE | Arame de trava |
| LONG | Longo |
| LOOM | Tubo isolador |
| LOW IDLE | Marcha lenta |
| LOUVER | Persiana |
| LOWER | Abaixar, inferior |
| LUBRICANT | Lubrificante |
| LUG | Ressalto, orelha |
| MACHINE SCREW | Parafuso de fenda |
| MAGNET | Imã magneto |
| MAIN | Principal |
| MAINTENANCE | Manutenção |
| MANIFOLD | Coletor |
| MARKED | Marcado (a) |
| MARKER | Marcador |
| MASTER PIN | Pino mestre |
| MAT | Capacho, esteira |
| METER | Medidor, contador |
| MINOR | Menor |
| MIRROR | Espelho |
| MISCELLANEOUS | Miscelânea |
| MODIFICATION | Modificação |
| MOLDBOARD | Armação da lâmina |
| MOTOR | Motor |
| MOULDING | Moldura |
| MOUNT | Montar |
| MOUNTED | Montado (a) |
| MOUNTING | Montagem |
| MUFFLER | Silenciador |
| NAMEPLATE | Plaqueta de identificação |
| N.C. (THREAD) | Rosca grossa |
| NEEDLE | Agulha |
| N.F. (THREAD) | Rosca fina |
| NIB | Ponta, bico |
| NIPPLE | Conexão |
| NONE | Nenhum (a) |
| NORMALIZING | Normalização |
| NOT PART OF | Não faz parte de |
| NOZZLE | Bocal, bico injetor |
| N/S = NOT SERVICED | Não vendável |
| NUMBER (No) | Número (No) |
| NUT | Porca |
| NUT-WING | Porca borboleta |
| NUT-CASTLE | Porca acastelada |
| NUT-WELD | Porca-soldada |
| NUT-CAP | Porca cega |
| NUT-HEX | Porca sextavada |
| NUT-LOCK | Contraporca |
| NUT-IMPERIAL | Porca imperial |
| NUT-JAM | Porca de trava, contraporca |

| INGLÊS | PORTUGUÊS |
|---|---|
| NUT-LOW CROWN | Porca de meia coroa |
| NUT-RETAINING | Porca de retenção |
| NUT-SELF LOCK | Porca de autotravamento |
| NUT-SLOTTED | Porca fendada |
| NUT-SPANNER | Porca para chaves |
| O.D. = OUTSIDE DIAMETER | Diâmetro externo |
| O-RING | Anel "O" |
| OIL | Óleo |
| OILPAN | Cárter |
| OIL PUMP | Bomba de óleo |
| OIL SYSTEM | Sistema de lubrificação |
| OILER | Almotolia, lubrificador |
| ORANGE | Laranja |
| TO ORDER | Para pedir |
| ORIFICE | Orifício |
| OUTER | Externo |
| OUTER RACE | Anel externo |
| OUTPUT | Saída |
| OVERALL | Geral, total |
| OVERHAUL | Revisão |
| OVER SIZE | Sobremedida |
| PACKING | Embalagem, gaxeta |
| PAD | Coxim, calço |
| PADLOCK | Cadeado |
| PAINT | Pintura |
| PAN | Cárter |
| PANEL | Painel |
| PARKING BRAKE | Freio de estacionamento |
| PARTITION | Separacão |
| PARTS G | Grupo de peças |
| PARTS OF | Peça de |
| PARTS OF ALL ENGINE ARRANGEMENTS | Peças de todos os arranjos do motor exceto |
| PAWL | Garra |
| PEDAL | Pedal |
| PEDESTAL | Pedestal |
| PERFORMANCE | Desempenho |
| PILOT | Piloto |
| PIN | Pino |
| PIN & BUSHING | Pino e bucha |
| PIN-COTTER | Contrapino |
| PINCH BAR | Pé de cabra |
| PINION | Pinhão |
| PIPE | Tubo |
| PISTON | Pistão |
| PIVOT | Articulação, pivô |
| PLANETARY | Planetário |
| PLATE | Placa |
| PLATFORM | Plataforma |
| PLUG | Bujão |
| PLUNGER | Pistão, êmbolo |
| POINT | Ponta, ponto |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| POINTER | Ponteiro |
| POLE & COIL | Polo e bobina |
| POLE | Polo, lança, vara |
| POPPET | Gatilho |
| POST | Poste, coluna |
| POTENTIOMETER | Potenciômetro |
| POWER TAKE OFF | Tomada de força |
| POWER TRAIN | Trem de força |
| PRE-SCREENER | Tela protetora |
| PRECHAMBER | Câmara de pré-combustão |
| PRECLEANER | Pré-purificador |
| PRECOMBUSTION | Pré-combustão |
| PRESS | Prensa |
| PRESS = PRESSURE | Pressão |
| PREVIOUS | Prévio, anterior |
| PRIMARY | Primário, principal |
| PROBE | Prova |
| PROJECTOR | Projeter |
| PROTECTION | Proteção |
| PROTECTOR | Proteter |
| PULLER | Extrator, sacador |
| PULLEY | Polia |
| PUMP | Bomba |
| PURPLE | Roxo |
| PUSHROD | Haste de empuxo |
| QTY = QUANTITY | Quantidade |
| RACE | Pista |
| RACE & ROLLER | Pista e rolete |
| RACK | Cremalheira |
| RADIATOR | Radiador |
| RAIL | Trilho, guia |
| RANGE TRANSM | Transmissão manual |
| RATCHET | Catraca |
| REAR | Traseiro (a) |
| REBORED | Escareado, alargado |
| REBUILD KIT | Jogo de recondicionamento |
| RECEPTACLE | Recipiente |
| RECTIFIER | Retificador |
| RED | Vermelho |
| REDUCER | Redutor |
| REFER | Referir |
| REGULATOR | Regulador |
| RELATED REPAIR ITEMS | Itens de reparos relacionados |
| RELAY | Relé |
| RELIEF VALVE | Válvula de alívio |
| REPAIR G | Grupo de reparo |
| REPAIR KIT | Jogo de reparo |
| REPAIR ITEMS | Itens de reparo |
| REPLACEMENT | Reposição, substituição |
| REQUIRED | Necessário |
| RESERVOIR A | Reservatôrio |
| RESIN | Resina |

| INGLÊS | PORTUGUÊS |
|---|---|
| RESISTOR | Resistência |
| RETAINER | Fixador |
| RETARDER | Retardador |
| REVERSIBLE | Reversível |
| R.H. = RIGHT HAND | Lado direito |
| RIM | Aro |
| RIM & TIRE | Aro e pneu |
| RING | Anel |
| RIVET | Rebite |
| ROCKET | Balancim |
| ROD | Haste |
| ROD END | Extremidade da haste |
| ROLLER | Rolete |
| ROPE-STARTING | Partida à corda |
| ROTATOR | Girador |
| ROTOCHAMBER | Càmara pneumática |
| ROTOCOIL | Girador de válvula |
| ROTOR | Rotor |
| RUST INHIBITOR | Antioxidante |
| SADDLE | Sela, assento |
| SAFETY | Segurança |
| SAFETY TREAD | Tiras antiderrapante |
| SCRAPER | Tampa |
| SCREEN | Tela |
| SCREW | Parafuso |
| SCREW-HEX HD | Parafuso de cabeça hexagonal |
| SCREW-KIT | Jogos de parafuso |
| SCREW-MACHINE | Parafuso de fenda |
| SCREW-ROUND HD | Parafuso de cabeça redonda |
| SCREW-FLANGED | Parafuso com flange |
| SCREW-LOCKING | Parafuso de trava |
| SCREW-THUMB | Parafuso de orelhas |
| SCREWDRIVER | Chave de fenda |
| SEAL | Retentor |
| SEALED UNIT | Unidade vedada |
| SEALER | Vedador isolante |
| SEAT | Assento |
| SECONDARY | Secundário |
| SECTION | Seção |
| SEGMENT | Segmento |
| SENDER | Emissor |
| SENSOR | Sensor |
| SEPARATE | Separar, separado |
| SEPARATOR | Separador |
| SERIAL NUMBER PLATE | Placa de número de série |
| SERVICE | Serviço, manutenção |
| SERVICE KIT | Jogo de manutenção |
| SERVICE METER | Horômetro |
| SETSCREW | Parafuso de fixação |
| SHACKLE | Grilheto, anel, manilha |
| SHAFT | Eixo |
| SHANK | Porta-ponta do escarificador |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| SHEAVE | Polia, roldana |
| SHEET | Folha, lâmina |
| SHELL | Invólucro, cápsula, casquilho |
| SHIELD | Blindagem, protetor |
| SHIFT | Mudança |
| SHIM | Calço |
| SHIPPING | Embarque |
| SHOCK ABSORBER | Amortecedor de choques |
| SHOCKMOUNT | Montagem a prova de choques |
| SHOE | Sapata |
| SHORT | Curto |
| SHOWN | Ilustrado, mostrado |
| SHROUD | Tampa de proteção |
| SHUNT | Derivação |
| SHUT OFF | Desligar, parada |
| SHUTTLE | Pistão de vaivém |
| SIDE | Lateral |
| SIDE VIEW | Vista lateral |
| SILICONE | Silicone |
| SINK | Absorvente de calor |
| SKIVING | Desbaste |
| SLACK ADJUSTER | Adjustador de folga |
| SLEEVE | Luva, manga, camisa |
| SLIDER | Cursor, deslizador |
| SLIDE RAIL | Trilho deslizante |
| SLING | Cabos, amarras, linga |
| SLINGER | Defletor |
| SLUG | Pistão de reação, pistãozinho |
| SMALL | Pequeno |
| SNAP RING | Anel de retenção, anel de pressão |
| SNUBBER | Amortecedor |
| SOCKET | Soquete, tomada |
| SOLENOID | Solenóide |
| SPACER | Espaçador |
| SPARE | Sobressalente |
| SPARK PLUG | Vela de ignição |
| SPECIAL | Especial |
| SPEEDOMETER | Velocimetro |
| SPIDER | Cruzeta |
| SPINDLE | Ponta de eixo |
| SPLINE | Estria |
| SPOOL | Carretel |
| SPOUT | Calha, tubo |
| SPRING | Mola |
| SPROCKET | Roda motriz, roda dentada |
| STABILIZER | Estabilizador |
| STACK | Chaminé, cano de escapamento |
| STAND | Suporte, cavalete |
| STANDPIPE | Suporte vertical de sucção |
| STAPLE | Grampo |
| STARTER | Arranque motor de partida |
| STATOR | Estator |
| STEERING | Direção |
| STEM | Haste |
| STEP | Degrau |
| STICK | Vareta |
| STOP | Parar |
| STORAGE | Armazenagem |
| STRAINER | Tela filtrante |
| STRAP | Tira, cinta, suporte de fixação |
| STREET ELL | Conexão cotovelo |
| STRIP | Tira, fita, listra |
| STROKE | Curso do pistão |
| STUD | Prisioneiro |
| SUMP | Tanque, reservatório |
| SUPPLY VALVE | Válvula de suprimento |
| SUPPORT | Suporte |
| SUSPENSION | Suspensão |
| SWITCH | Interruptor |
| SWIVEL | Articulação giratória |
| TAB | Tira, aba, lingüeta |
| TABLE | Mesa |
| TACHOGRAPH | Tacógrafo |
| TACHOMETER | Tacômetro |
| TAG | Etiqueta |
| TAIL LAMP | Farol traseiro |
| TAN | Castanho |
| TANG | Lingüeta |
| TANK | Tanque |
| TAP | Macho |
| TAPE | Fita |
| TAPPET | Tucho |
| TEE | Conexão em "T" |
| TEMP. = TEMPERATURE | Temperatura |
| TERMINAL | Terminal |
| TEST UNIT | Unidade de teste |
| TESTER | Aparelho de teste |
| THERMISTOR | Termistor |
| THERMOCOUPLE | Termopar |
| THERMOMETER | Termômetro |
| THERMOSTAT | Termostato |
| THERMOSWITCH | Interruptor térmico |
| THICK | Grosso (a) espesso (a) |
| TIE | Ligação, tirante |
| THREAD (OF NUT) | Rosca (de porca) |
| THROTTLE | Acelerador de |
| THROWER | Defletor |
| THRU = THROUGH | Através de |
| TIGHTENER | Tensor |
| TILT CYLINDER | Cilindro de inclinação |
| TIMING | Sincronização, Distribuição |
| TIP | Ponta |

# NOMENCLATURA DE PEÇAS INGLÊS-PORTUGUÊS

| INGLÊS | PORTUGUÊS |
|---|---|
| TIRE | Pneu |
| TIRE & RIM | Pneu e aro |
| TONGUE | Língua, lingueta |
| TOOL | Ferramenta |
| TOOLCABINET | Armário para ferramenta |
| TOOTH/TEETH | Dente/dentes |
| TOP | Topo, parte superior |
| TORQUE | Torque |
| TORQ. CONV. | Conversor de torque |
| TORQ. DIVIDER | Divisor de torque |
| TOWER | Torre |
| TRACK | Esteira |
| TRACK PIN | Pino de esteira |
| TRACTOR | Trator |
| TRAILING UNIT | Unidade rebocada |
| TRANSFER | Decalcomania |
| TRANSFORMER | Transformador |
| TRANSISTOR | Transistor |
| TRANSMISSION | Transmissão |
| TRANSMISSION OVERHAUL | Revisão da transmissão |
| TREAD | Piso, banda de rodagem |
| TREADLE | Pedal |
| TROLLY | Carrinho |
| TRUCK | Caminhão |
| TRUNNION | Munhão |
| TUBE | Tubo, cano |
| TUBING | Tubulagem canalização |
| TURBINE | Turbina |
| TURBOCHARGER | Turboalimentador |
| U-BOLT | Parafuso em "U" |
| U-JOINT | Junta universal |
| UNDERSIZE | Submedida |
| UNION | União |
| UPPER | Superior |
| USE AS REQUIRED | Usar conforme necessitar |
| VALUE | Valor |
| VALVE | Válvula |
| VALVE GRINDING | Retificação das válvulas |
| VEE BELT | Correia "V" |
| VEE BELT SET | Jogo de correia em "V" |
| VENT | Respiro |
| VIEW | Vista |
| VISE | Morsa, torno |
| VISOR | Pára-sol |
| WALKWAY | Passadiço, corredor |
| WARNING G. | Grupo de alarma |
| WASHER | Arruela |
| WATER PUMP | Bomba d’água |
| WEARPLATE | Placa de desgaste |
| WEDGE | Cunha |
| WEIGHT | Peso |
| WELD | Solda |
| WELDNUT | Porca soldada |
| WHEEL | Roda |
| WHITE | Branco |
| WICK | Mecha, pavio |
| WINCH | Guincho |
| WINDOW | Janela |
| WINDSHIELD | Pára-brisa |
| WIPER | Limpador |
| WIRE | Fio |
| WIRING | Sistema elétrico |
| WIRING DIAGRAM | Diagrama do sistema elétrico |
| WITH | Com |
| WRAPPER | Invólucro, envoltório |
| WRENCH | Chave |
| YELLOW | Amarelo |
| YOKE | Garfo |

# MAINTENANCE PARTS

| DESCRIPTION | PART NUMBER | QTY | WHERE USED | PAGE |
|---|---|---|---|---|
| **AIR INLET AND EXHAUST SYSTEM** | | | | |
| ELEMENT-FILTER | 7M-1674 | 1 | LINES GP-AIR | 150 |
| FILTER ELEMENT AS-AIR (PRIMARY) | 6I-2505 | 1 | AIR CLEANER GP | 146 |
| FILTER ELEMENT AS-AIR (SECONDARY) | 6I-2506 | 1 | AIR CLEANER GP | 146 |
| GASKET-EXHAUST MANIFOLD | 129-9452 | 6 | MANIFOLD GP-EXHAUST | 151 |
| INDICATOR-AIR FILTER SERVICE | 8N-2694 | 1 | INDICATOR AR-AIR CLEANER | 148 |
| **BASIC ENGINE** | | | | |
| FITTING-GREASE | 3B-8485 | 1 | DRIVE GP-FAN | 40 |
| | 3B-8489 | 1 | BELT TIGHTENER GP | 16 |
| | | 1 | DRIVE GP-FAN | 42 |
| GASKET | 4N-1151 | 2 | PAN GP-OIL | 64 |
| PLUG-DRAIN | 5F-0304 | 1 | HOUSING GP-FLYWHEEL | 52 |
| PLUG-OIL DRAIN | 4P-0513 | 1 | PAN GP-OIL | 62 |
| SEAL (2.9M) | 5P-5678 | | BASE GP-VALVE COVER & INJ HARN | 15 |
| V-BELT-BANDED | 9Q-3670 | 1 | DRIVE GP-FAN | 40 |
| V-BELT SET (INCLUDES 3 BELTS) | 129-2416 | 1 | DRIVE GP-FAN | 40 |
| | | 1 | DRIVE GP-FAN | 42 |
| **COOLING SYSTEM** | | | | |
| CAP | 111-7421 | 2 | TANK GP-WATER | 138 |
| CAP AS-RADIATOR | 031-1119 | 1 | TANK GP-COOLANT | 137 |
| CAP-DUST | 6V-0852 | 1 | LINES GP-WATER | 114 |
| FILTER-WATER | 119-3025 | 1 | PUMP GP-WATER | 121 |
| FILTER-WATER PUMP | 136-3742 | 1 | PUMP GP-WATER | 118 |
| HOSE | 106-4572 | 5 | RADIATOR GP | 128 |
| PLUG-DRAIN | 8M-1869 | 1 | LINES GP-WATER | 114 |
| REGULATOR-WATER TEMPERATURE (92 DEG C.) | 4W-4794 | 1 | LINES GP-WATER | 110 |
| V-BELT (A/C COMPRESSOR) | 3S-3964 | 1 | FAN AR-VARIABLE | 98 |
| V-BELT-BANDED (ENGINE FAN) | 9Q-3668 | 1 | FAN AR-VARIABLE | 98 |

# MAINTENANCE PARTS

| DESCRIPTION | PART NUMBER | QTY | WHERE USED | PAGE |
|---|---|---|---|---|
| **ELECTRICAL AND STARTING SYSTEM** | | | | |
| BATTERY (MAINTENANCE FREE) (12 VOLT) | 3T-5760 | 4 | BATTERY & WIRING GP | 205 |
| CAP | 9L-6770 | 1 | ALTERNATOR GP-CHARGING | 190 |
| CIRCUIT BREAKER AS (135 AMP) | 171-2213 | 1 | PANEL GP-RELAY | 256 |
| CIRCUIT BREAKER AS (15 AMP) | 6T-3643 | 3 | PANEL GP-RELAY | 256 |
| ELEMENT AS-JACKET WATER HEATER | 9G-6655 | 1 | HEATER GP-JACKET WATER | 222 |
| ELEMENT AS-JACKET WATER HEATER (240 VOLT/1500 WATT) | 6T-3764 | 1 | HEATER GP-JACKET WATER | 224 |
| FUSE (10 AMP) | 9W-1442 | 5 | PANEL GP-RELAY | 256 |
| FUSE (15 AMP) | 9W-1441 | 11 | PANEL GP-RELAY | 256 |
| FUSE (20 AMP) | 9W-1446 | 3 | PANEL GP-RELAY | 256 |
| FUSE (5 AMP) | 107-0799 | 1 | PANEL GP-RELAY | 256 |
| KEY | 8H-5306 | 1 | SWITCH GP-DISCONNECT | 284 |
| LAMP (12 VOLT)(RED/GREEN)(LED) | 165-5655 | 1 | INSTALLATION GP-SECURITY | 228 |
| LAMP (24 VOLTS)(65 WATTS) | 9X-3463 | 1 | LAMP GP-FLOOD | 230 |
| LAMP (24 VOLT)(65 WATT) | 9X-3463 | 1 | LAMP GP-FLOOD | 231 |
| LAMP (24 VOLT)(65 WATT) (FLOOD) | 9X-3463 | 1 | LAMP GP-FLOOD | 232 |
| LAMP (28 VOLT) | 7N-1996 | 1 | WIRING GP-PLATFORM | 288 |
| | 7N-9943 | 1 | LAMP GP-DOME | 229 |
| LENS AS-FLOODLAMP | 158-0248 | 1 | LAMP GP-FLOOD | 231 |
| | | 1 | LAMP GP-FLOOD | 232 |
| LENS-DOME LAMP | 7T-0020 | 1 | LAMP GP-DOME | 229 |
| LENS-RED | 6T-7058 | 1 | WIRING GP-PLATFORM | 288 |
| V-BELT | 4N-8218 | 1 | ALTERNATOR GP-CHARGING | 193 |
| | | 1 | ALTERNATOR GP-CHARGING | 194 |
| | | 1 | ALTERNATOR GP-CHARGING | 200 |
| **ENGINE ARRANGEMENT** | | | | |
| KEY | 5P-8500 | 1 | INSTALLATION AR-ENGINE | 14 |
| PADLOCK GP | 5P-8502 | 2 | INSTALLATION AR-ENGINE | 14 |
| **FRAME AND BODY** | | | | |
| CAP | 2B-0176 | 2 | GUARD GP-RADIATOR | 444 |
| KEY | 5P-8500 | 1 | BATTERY BOX GP | 374 |
| | | 1 | ENCLOSURE GP-ENGINE | 410 |
| | | 1 | GUARD GP-RADIATOR | 444 |
| KEY (STARTER) | 5P-8500 | 1 | ENCLOSURE GP-HYDRAULIC TANK | 414 |
| PADLOCK GP | 5P-8502 | 4 | BATTERY BOX GP | 374 |
| | | 2 | ENCLOSURE GP-ENGINE | 410 |
| | | 1 | ENCLOSURE GP-HYDRAULIC TANK | 414 |
| | | 1 | GUARD GP-RADIATOR | 444 |

# MAINTENANCE PARTS

| DESCRIPTION | PART NUMBER | QTY | WHERE USED | PAGE |
|---|---|---|---|---|
| **FUEL SYSTEM** | | | | |
| CAP AS-FUEL TANK | 7X-7700 | 1 | TANK GP-FUEL | 184 |
| CAP-DUST | 9D-0630 | 1 | ADAPTER GP-FAST FILL FUEL | 168 |
| FILTER AS-FUEL | 1R-0749 | 1 | FILTER GP-FUEL | 174 |
| FILTER AS (WATER SEPARATOR & FUEL) | 1R-0769 | 1 | FILTER GP-WATER SEP & FUEL | 175 |
| KEY | 5P-8500 | 1 | LINES GP-FUEL | 178 |
| | | 1 | TANK GP-FUEL | 184 |
| PADLOCK GP | 5P-8502 | 1 | LINES GP-FUEL | 178 |
| | | 1 | TANK GP-FUEL | 184 |
| SCREEN-SUMP (FUEL TANK) | 5G-4109 | 1 | LINES GP-FUEL | 178 |
| STRAINER-FUEL | 9P-7121 | 1 | TANK GP-FUEL | 184 |
| **HYDRAULIC SYSTEM** | | | | |
| CAP-DUST | 6V-0852 | 1 | LINES GP-PILOT | 588 |
| | | 1 | LINES GP-PILOT | 594 |
| | | 1 | LINES GP-PUMP | 606 |
| CAP-FILLER | 7H-1447 | 1 | TANK & FILTER GP-HYDRAULIC | 631 |
| FILTER ELEMENT AS-OIL (HYDRAULIC) (HIGHER PERFORMANCE) | 139-1537 | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| FILTER ELEMENT AS-OIL (HYDRAULIC/REVERSE FLOW) (DISPOSABLE) | 1R-0735 | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| FILTER ELEMENT AS-OIL (REVERSE FLOW) (FIRE RESISTANT FLUID) | 104-6931 | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| FITTING-GREASE | 3B-8489 | 1 | CYLINDER GP-BULLDOZER TILT | 566 |
| | | 1 | CYLINDER GP-BULLDOZER TILT | 568 |
| | | 2 | CYLINDER GP-RIPPER LIFT | 570 |
| | | 2 | CYLINDER GP-RIPPER TILT | 574 |
| | | 2 | CYLINDER GP-RIPPER TILT | 576 |
| | | 1 | CYLINDER GP-TILT | 578 |
| | | 1 | CYLINDER GP-TILT | 582 |
| GASKET | 9H-6454 | 1 | TANK & FILTER GP-HYDRAULIC | 631 |
| KEY | 5P-8500 | 1 | LINES GP-PUMP | 606 |
| LIGHT | 126-0810 | 1 | LINES GP-PILOT | 600 |
| PADLOCK GP | 5P-8502 | 1 | LINES GP-PUMP | 606 |
| PLUG-DRAIN | 9J-7031 | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| SCREEN | 6E-1752 | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| | 6E-5066 | 1 | VALVE GP-MANIFOLD & REDUCING | 650 |
| STRAINER AS | 5D-7927 | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| **IMPLEMENTS** | | | | |
| FITTING-GREASE | 3B-8489 | 2 | BRACE GP-BULLDOZER | 673 |
| | | 4 | FRAME GP-RIPPER | 686 |
| FITTING-GREASE (1/8-27 THD) | 3B-8489 | 2 | MOUNTING GP-CYLINDER | 693 |

# MAINTENANCE PARTS

| DESCRIPTION | PART NUMBER | QTY | WHERE USED | PAGE |
|---|---|---|---|---|
| **LUBRICATION SYSTEM** | | | | |
| BREATHER AS | 4N-4668 | 1 | BREATHER GP | 72 |
| CAP AS-FILLER | 4P-9579 | 1 | FILLER GP-ENGINE OIL | 74 |
| CAP-DUST | 6V-0852 | 1 | FILTER GP-ENGINE OIL | 76 |
| | 8C-3445 | 1 | FILTER GP-ENGINE OIL | 76 |
| CAP (ENGINE OIL RECEIVER) | 110-8826 | 1 | OIL CHANGE GP-HIGH SPEED | 86 |
| CAP (POWER TRAIN OIL RECEIVER) | 110-8318 | 1 | OIL CHANGE GP-HIGH SPEED | 86 |
| FILTER AS-ENGINE OIL | 1R-0716 | 1 | FILTER GP-ENGINE OIL | 76 |
| **OPERATOR STATION** | | | | |
| BLADE AS-WIPER (FRONT & REAR) | 6V-5851 | 2 | WIPER GP-WINDOW | 870 |
| BLADE AS-WIPER (RH & LH DOORS) | 6V-5849 | 2 | WIPER GP-WINDOW | 870 |
| CAP-AIR CONDITIONER VALVE (7/16 X 20 THD) | 2L-1224 | 1 | CONDENSER GP-REFRIGERANT | 754 |
| CAP-SEAL (AIR CONDITIONER)(HIGH SIDE) | 3E-4052 | 1 | LINES GP-AIR CONDITIONER | 782 |
| | | 1 | LINES GP-AIR CONDITIONER | 786 |
| | | 1 | LINES GP-AIR CONDITIONER | 790 |
| CAP-VENTED | 8E-8292 | 1 | BOTTLE GP-WINDOW WASHER | 742 |
| FILTER-AIR (CAB FRESH AIR) | 6T-0988 | 1 | PRESSURIZER GP-CAB | 818 |
| FILTER AS (CAB REC AIR) | 6T-5068 | 1 | PRESSURIZER GP-CAB | 818 |
| LAMP (24 VOLT) | 3E-8825 | 2 | AIR CONDITIONER AR | 733 |
| | | 2 | AIR CONDITIONER AR | 734 |
| | | 2 | AIR CONDITIONER AR | 735 |
| | 115-1748 | 1 | INSTRUMENT GP | 770 |
| | | 1 | INSTRUMENT GP-CAB | 774 |
| LAMP (28 VOLT) | 123-9294 | 4 | INSTRUMENT GP | 770 |
| | | 4 | INSTRUMENT GP-CAB | 774 |
| LIGHT-DASH PANEL | 159-9257 | 1 | INSTRUMENT GP | 770 |
| | | 1 | INSTRUMENT GP-CAB | 774 |
| V-BELT (AIR CONDITIONER COMPRESSOR) | 2S-9506 | 1 | COMPRESSOR GP-REFRIGERANT | 750 |
| **POWER TRAIN** | | | | |
| BREATHER AS (POWER TRAIN) | 185-6684 | 1 | LINES GP-POWER TRAIN OIL | 324 |
| CAP AS-FILLER (POWER TRAIN OIL) | 6N-2985 | 1 | LINES GP-POWER TRAIN OIL | 324 |
| CAP-DUST | 6V-0852 | 2 | CASE & PARTS GP-PLANETARY | 302 |
| | | 1 | FILTER GP-OIL | 310 |
| | | 3 | LINES GP-POWER TRAIN OIL | 324 |
| | | 1 | VALVE GP-CONTROL | 358 |
| | | 1 | VALVE GP-RELIEF | 365 |
| | 8C-3447 | 1 | LINES GP-POWER TRAIN OIL | 324 |
| FILTER ELEMENT AS-OIL (HYDRAULIC) | 1R-0778 | 1 | FILTER GP-OIL | 310 |
| | 132-8876 | 1 | FILTER GP-OIL | 309 |
| PLUG-DRAIN | 4B-7739 | 1 | TORQUE CONVERTER GP | 350 |
| PLUG-O-RING | 9S-8008 | 2 | VALVE GP-CONTROL | 358 |
| SCREEN AS (POWER TRAIN OIL PUMP INLET) | 9P-0214 | 1 | LINES GP-POWER TRAIN OIL | 324 |
| SCREEN AS (TORQUE CONVERTER SCAVENGE) | 3T-6471 | 1 | LINES GP-POWER TRAIN OIL | 324 |
| SCREEN-SUCTION | 8S-9130 | 1 | CASE & PARTS GP-PLANETARY | 302 |

# MAINTENANCE PARTS

| DESCRIPTION | PART NUMBER | QTY | WHERE USED | PAGE |
|---|---|---|---|---|
| **STEERING AND BRAKING SYSTEM** | | | | |
| CAP-DUST | 6V-0852 | 1 | FILTER GP-OIL | 520 |
| | | 8 | LINES GP-STEERING | 524 |
| | 8C-3451 | 1 | FILTER GP-OIL | 520 |
| FILTER AS-OIL | 102-2828 | 1 | FILTER GP-OIL | 520 |
| FITTING AS (QUICK DISCONNECT) | 6V-3965 | 1 | FILTER GP-OIL | 520 |
| **UNDERCARRIAGE** | | | | |
| BREATHER | 9G-5127 | 1 | LUBRICATION GP-PIVOT SHAFT | 490 |
| CAP AS-OIL LEVEL | 8E-3410 | 1 | LUBRICATION GP-PIVOT SHAFT | 490 |
| FITTING-GREASE | 3B-8489 | 2 | EQUALIZER BAR GP | 472 |
| | | 2 | EQUALIZER BAR GP | 474 |
| PLUG-DRAIN | 4T-2069 | 6 | FRAME GP-TELESCOPING RECOIL | 476 |
| | | 6 | FRAME GP-TELESCOPING RECOIL | 478 |
| | | 6 | FRAME GP-TELESCOPING RECOIL | 482 |

# PIÈCES DE RECHANGE

| DESCRIPTION | NUMÉRO DE PIECÈS | QTÉ | DOMAINE D'APPLICATION | PAGE |
|---|---|---|---|---|
| **CHÂSSIS ET BENNE** | | | | |
| CADENAS (ASS) | 5P-8502 | 1 | CARENAGE - RESERVOIR HYDRAULIQUE (ASS) | 414 |
| | | 2 | CARENAGE DE MOTEUR (ASS) | 410 |
| | | 4 | COFFRE DE BATTERIE (ASS) | 374 |
| | | 1 | PROTÈGE-RADIATEUR (ASS) | 444 |
| CHAPEAU | 2B-0176 | 2 | PROTÈGE-RADIATEUR (ASS) | 444 |
| CLÉ | 5P-8500 | 1 | CARENAGE DE MOTEUR (ASS) | 410 |
| | | 1 | COFFRE DE BATTERIE (ASS) | 374 |
| | | 1 | PROTÈGE-RADIATEUR (ASS) | 444 |
| CLÉ (DÉMARREUR) | 5P-8500 | 1 | CARENAGE - RESERVOIR HYDRAULIQUE (ASS) | 414 |
| **CIRCUIT D'ADMISSION D'AIR ET D'ECHAPPEMENT** | | | | |
| ÉLÉMENT DE FILTRE | 7M-1674 | 1 | CANALISATIONS D'AIR (ASS) | 150 |
| ÉLÉMENT DE FILTRE À AIR (ENS) (PRINCIPAL) | 6I-2505 | 1 | FILTRE A AIR (ASS) | 146 |
| ÉLÉMENT DE FILTRE À AIR (ENS) (SECONDAIRE) | 6I-2506 | 1 | FILTRE A AIR (ASS) | 146 |
| INDICATEUR DE COLMATAGE DE FILTRE A AIR | 8N-2694 | 1 | INDICATEUR - FILTRE À AIR (VERSION) | 148 |
| JOINT PLAT DU COLLECTEUR D'ECHAPPEMENT | 129-9452 | 6 | COLLECTEUR D'ÉCHAPPEMENT (ASS) | 151 |
| **CIRCUIT DE CARBURANT** | | | | |
| BOUCHON DE RÉSERVOIR DE CARBURANT (ENS) | 7X-7700 | 1 | RÉSERVOIR DE CARBURANT (ASS) | 184 |
| CADENAS (ASS) | 5P-8502 | 1 | CANALISATIONS DE CARBURANT (ASS) | 178 |
| | | 1 | RÉSERVOIR DE CARBURANT (ASS) | 184 |
| CLÉ | 5P-8500 | 1 | CANALISATIONS DE CARBURANT (ASS) | 178 |
| | | 1 | RÉSERVOIR DE CARBURANT (ASS) | 184 |
| FILTRE À CARBURANT | 9P-7121 | 1 | RÉSERVOIR DE CARBURANT (ASS) | 184 |
| FILTRE A CARBURANT (ENS) | 1R-0749 | 1 | FILTRE A CARBURANT (ASS) | 174 |
| FILTRE (ENS) (SÉPARATEUR D'EAU ET CARBURANT) | 1R-0769 | 1 | FILTRE DE SÉPARATEUR D'EAU ET DE CARBURANT (ASS) | 175 |
| PARE-POUSSIERE | 9D-0630 | 1 | ADAPTATEUR DE REMPLIS. RAPIDE DE CARBURANT (ASS) | 168 |
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# PIÈCES DE RECHANGE

| DESCRIPTION | NUMÉRO DE PIECÈS | QTÉ | DOMAINE D'APPLICATION | PAGE |
|---|---|---|---|---|
| **CIRCUIT DE DÉMARRAGE ET ÉLECTRIQUE** | | | | |
| AMPOULE (12 VOLTS)(ROUGE/VERT)(DEL) | 165-5655 | 1 | MONTAGE-SÉCURITÉ (ASS) | 228 |
| AMPOULE (24 VOLTS) (65 WATTS) | 9X-3463 | 1 | LAMPE - PHARE (ASS) | 230 |
| AMPOULE (24 VOLTS)(65 WATTS) | 9X-3463 | 1 | LAMPE - PHARE (ASS) | 231 |
| AMPOULE (24 VOLTS)(65 WATTS) (PROJECTEUR) | 9X-3463 | 1 | LAMPE - PHARE (ASS) | 232 |
| AMPOULE (28 VOLTS) | 7N-1996 | 1 | CABLAGE - PLATE-FORME (ASS) | 288 |
| | 7N-9943 | 1 | PLAFONNIER (ASS) | 229 |
| BATTERIE (SANS ENTRETIEN) (12 VOLTS) | 3T-5760 | 4 | BATTERIE ET CÂBLAGE | 205 |
| CHAPEAU | 9L-6770 | 1 | ALTERNATEUR DE CHARGE (ASS) | 190 |
| CLÉ | 8H-5306 | 1 | ROBINET DE BATTERIE (ASS) | 284 |
| COURROIE TRAPEZOIDALE | 4N-8218 | 1 | ALTERNATEUR DE CHARGE (ASS) | 193 |
| | | 1 | ALTERNATEUR DE CHARGE (ASS) | 194 |
| | | 1 | ALTERNATEUR DE CHARGE (ASS) | 200 |
| DISJONCTEUR (ENS) (135A) | 171-2213 | 1 | RELAIS DU PANNEAU (ASS) | 256 |
| DISJONCTEUR (ENS) (15A) | 6T-3643 | 3 | RELAIS DU PANNEAU (ASS) | 256 |
| ÉLÉMENT DU RÉCHAUFFEUR D'EAU DES CHEMISES (ENS) | 9G-6655 | 1 | EAU DES CHEMISES - RECHAUFFEUR (ASS) | 222 |
| ÉLÉMENT DU RÉCHAUFFEUR D'EAU DES CHEMISES (ENS) (240 VOLTS/1500 WATTS) | 6T-3764 | 1 | EAU DES CHEMISES - RECHAUFFEUR (ASS) | 224 |
| FUSIBLE (10A) | 9W-1442 | 5 | RELAIS DU PANNEAU (ASS) | 256 |
| FUSIBLE (15A) | 9W-1441 | 11 | RELAIS DU PANNEAU (ASS) | 256 |
| FUSIBLE (20 A) | 9W-1446 | 3 | RELAIS DU PANNEAU (ASS) | 256 |
| FUSIBLE (5A) | 107-0799 | 1 | RELAIS DU PANNEAU (ASS) | 256 |
| LENTILLE DE PLAFONNIER | 7T-0020 | 1 | PLAFONNIER (ASS) | 229 |
| LENTILLE DE PROJECTEUR (ENS) | 158-0248 | 1 | LAMPE - PHARE (ASS) | 231 |
| | | 1 | LAMPE - PHARE (ASS) | 232 |
| LENTILLE ROUGE | 6T-7058 | 1 | CABLAGE - PLATE-FORME (ASS) | 288 |
| **CIRCUIT DE DIRECTION ET DE FREIN** | | | | |
| FILTRE À HUILE (ENS) | 102-2828 | 1 | FILTRE A HUILE (ASS) | 520 |
| GRAISSEUR (ENS) (DÉBRANCHEMENT RAPIDE) | 6V-3965 | 1 | FILTRE A HUILE (ASS) | 520 |
| PARE-POUSSIERE | 6V-0852 | 8 | CANALISATIONS DE DIRECTION (ASS) | 524 |
| | | 1 | FILTRE A HUILE (ASS) | 520 |
| | 8C-3451 | 1 | FILTRE A HUILE (ASS) | 520 |
| **CIRCUIT DE GRAISSAGE** | | | | |
| BOUCHON DE GOULOTTE DE REMPLISSAGE (ENS) | 4P-9579 | 1 | BOUCHON DE REMPLISSAGE D'HUILE MOTEUR (ASS) | 74 |
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| | | 1 | COMPARTIMIENTO DEL TANQUE HIDRÁULICO (GR) | 414 |
| | | 1 | PROTECTOR DEL RADIADOR (GR) | 444 |
| LLAVE | 5P-8500 | 1 | CAJA DE LA BATERÍA (GR) | 374 |
| | | 1 | COMPARTIMIENTO DEL MOTOR (GR) | 410 |
| | | 1 | PROTECTOR DEL RADIADOR (GR) | 444 |
| LLAVE (MOTOR DE ARRANQUE) | 5P-8500 | 1 | COMPARTIMIENTO DEL TANQUE HIDRÁULICO (GR) | 414 |
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| LÁMPARA (28 VOLTIOS) | 123-9294 | 4 | INSTRUMENTOS DE CABINA (GR) | 774 |
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| | | 1 | TUBERÍAS DE ACONDICIONADOR DE AIRE (GR) | 786 |
| | | 1 | TUBERÍAS DE ACONDICIONADOR DE AIRE (GR) | 790 |
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| | | 2 | SOPORTE DE LA HOJA TOPADORA | 673 |
| CONEXIÓN DE ENGRASE (ROSCA DE 1/8-27) | 3B-8489 | 2 | MONTAJE DE CILINDRO (GR) | 693 |
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| | 3B-8489 | 1 | AJUSTADOR DE CORREA (GR) | 16 |
| | | 1 | IMPULSOR DE VENTILADOR (GR) | 42 |
| EMPAQUETADURA | 4N-1151 | 2 | CÁRTER - COLECTOR DEL (GR) | 64 |
| JUEGO DE CORREAS TRAPEZOIDALES (INCLUYE 3 CORREAS) | 129-2416 | 1 | IMPULSOR DE VENTILADOR (GR) | 40 |
| | | 1 | IMPULSOR DE VENTILADOR (GR) | 42 |
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| TAPON DE DRENAJE DE ACEITE | 4P-0513 | 1 | CÁRTER - COLECTOR DEL (GR) | 62 |
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| ELEMENTO DEL FILTRO DE AIRE (CONJ) (SECUNDARIO) | 6I-2506 | 1 | FILTRO DE AIRE (GR) | 146 |
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| FILTRO DE AGUA | 119-3025 | 1 | BOMBA DE AGUA (GR) | 121 |
| FILTRO DE LA BOMBA DE AGUA | 136-3742 | 1 | BOMBA DE AGUA (GR) | 118 |
| MANGUERA | 106-4572 | 5 | RADIADOR (GR) | 128 |
| REGULADOR DE TEMPERATURA DEL AGUA (92 GR C) | 4W-4794 | 1 | TUBERÍAS DEL AGUA (GR) | 110 |
| TAPA | 111-7421 | 2 | TANQUE DEL AGUA (GR) | 138 |
| TAPA CONTRA EL POLVO | 6V-0852 | 1 | TUBERÍAS DEL AGUA (GR) | 114 |
| TAPA DE RADIADOR (CONJ) | 031-1119 | 1 | TANQUE DE REFRIGERANTE (GR) | 137 |
| TAPÓN DE DRENAJE | 8M-1869 | 1 | TUBERÍAS DEL AGUA (GR) | 114 |
| VENDADO CON CINTURÓN TRAPECIAL (VENTILADOR DE MOTOR) | 9Q-3668 | 1 | VENTILADOR VARIABLE (CONFIG) | 98 |
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| FILTRO DE ACEITE (CONJ) | 102-2828 | 1 | FILTRO DE ACEITE (GR) | 520 |
| TAPA CONTRA EL POLVO | 6V-0852 | 1 | FILTRO DE ACEITE (GR) | 520 |
| | | 8 | TUBERÍAS DE DIRECCIÓN (GR) | 524 |
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| RESPIRADERO (CONJ) | 4N-4668 | 1 | RESPIRADERO (GR) | 72 |
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| | 8C-3445 | 1 | FILTRO DE ACEITE DEL MOTOR (GR) | 76 |
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| TAPA (RECEPTOR DE ACEITE DE MOTOR) | 110-8826 | 1 | CAMBIO RÁPIDO DE ACEITE (GR) | 86 |
| TAPA (RECEPTOR DE ACEITE DE TREN DE FUERZA) | 110-8318 | 1 | CAMBIO RÁPIDO DE ACEITE (GR) | 86 |

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| CORREA TRAPEZOIDAL | 4N-8218 | 1 | CARGA - ALTERNADOR DE (GR) | 193 |
| | | 1 | CARGA - ALTERNADOR DE (GR) | 194 |
| | | 1 | CARGA - ALTERNADOR DE (GR) | 200 |
| DISYUNTOR (CONJ) (135 AMP) | 171-2213 | 1 | RELÉ DEL TABLERO (GR) | 256 |
| DISYUNTOR (CONJ) (15 A) | 6T-3643 | 3 | RELÉ DEL TABLERO (GR) | 256 |
| ELEMENTO DEL CALENTADOR DEL AGUA DE LAS CAMISAS | 9G-6655 | 1 | AGUA DE LAS CAMISAS - CALENTADOR DEL (GR) | 222 |
| ELEMENTO DEL CALENTADOR DEL AGUA DE LAS CAMISAS (240 VOLTIOS/1500 VATIOS) | 6T-3764 | 1 | AGUA DE LAS CAMISAS - CALENTADOR DEL (GR) | 224 |
| FUSIBLE (10 A) | 9W-1442 | 5 | RELÉ DEL TABLERO (GR) | 256 |
| FUSIBLE (15 A) | 9W-1441 | 11 | RELÉ DEL TABLERO (GR) | 256 |
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| FUSIBLE (5 AMP) | 107-0799 | 1 | RELÉ DEL TABLERO (GR) | 256 |
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| LÁMPARA (24 VOLTIOS)(65 VATIOS) | 9X-3463 | 1 | REFLECTOR (GR) | 231 |
| LÁMPARA ((24 VOLTIOS)(65 VATIOS)) | 9X-3463 | 1 | REFLECTOR (GR) | 230 |
| LÁMPARA (24 VOLTIOS)(65 VATIOS) (REFLECTOR) | 9X-3463 | 1 | REFLECTOR (GR) | 232 |
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| | 7N-9943 | 1 | LÁMPARA DEL TECHO (GR) | 229 |
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| LENTE DE REFLECTOR (CONJ) | 158-0248 | 1 | REFLECTOR (GR) | 231 |
| | | 1 | REFLECTOR (GR) | 232 |
| LENTE-ROJO | 6T-7058 | 1 | CABLES DE LA PLATAFORMA (GR) | 288 |
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| COLADOR (CONJ) | 5D-7927 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 630 |
| CONEXIÓN DE ENGRASE | 3B-8489 | 1 | CILINDRO DE INCLINACIÓN DE LA HOJA TOPADORA (GR) | 566 |
| | | 1 | CILINDRO DE INCLINACIÓN DE LA HOJA TOPADORA (GR) | 568 |
| | | 2 | CILINDRO DE INCLINACIÓN DEL DESGARRADOR (GR) | 574 |
| | | 2 | CILINDRO DE INCLINACIÓN DEL DESGARRADOR (GR) | 576 |
| | | 2 | CILINDRO DE LEVANTAMIENTO DEL DESGARRADOR (GR) | 570 |
| | | 1 | INCLINACIÓN HORIZONTAL - CILINDRO DE (GR) | 578 |
| | | 1 | INCLINACIÓN HORIZONTAL - CILINDRO DE (GR) | 582 |
| ELEMENTO DE FILTRO DE ACEITE (CONJ) (FLUJO INVERSO) (FLUÍDO RESISTENTE AL FUEGO) | 104-6931 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 630 |
| ELEMENTO DE FILTRO DE ACEITE (CONJ) (HIDRAULICO) (RENDIMIENTO SUPERIOR) | 139-1537 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 630 |
| ELEMENTO DE FILTRO DE ACEITE (CONJ) (HIDRAULICO/FLUJO INVERSO) (DESECHABLE) | 1R-0735 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 630 |
| EMPAQUETADURA | 9H-6454 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 631 |
| LLAVE | 5P-8500 | 1 | BOMBA - TUBERÍAS DE (GR) | 606 |
| LUZ | 126-0810 | 1 | TUBERÍAS CON SERVOMANDO (GR) | 600 |
| REJILLA | 6E-1752 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 630 |
| | 6E-5066 | 1 | VALVULA DISTRIBUIDORA Y REDUCTORA (GR) | 650 |
| TAPA CONTRA EL POLVO | 6V-0852 | 1 | BOMBA - TUBERÍAS DE (GR) | 606 |
| | | 1 | TUBERÍAS CON SERVOMANDO (GR) | 588 |
| | | 1 | TUBERÍAS CON SERVOMANDO (GR) | 594 |
| TAPA DEL TUBO DE LLENADO | 7H-1447 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 631 |
| TAPÓN DE DRENAJE | 9J-7031 | 1 | TANQUE Y FILTRO HIDRÁULICOS (GR) | 630 |

# PIEZAS DE MANTENIMIENTO

| DESCRIPCION | NUMERO DE PIEZA | CANT | SE UTILIZA EN | PAGINA |
|---|---|---|---|---|
| **TREN DE FUERZA** | | | | |
| ELEMENTO DE FILTRO DE ACEITE (CONJ) (HIDRAULICO) | 1R-0778 | 1 | FILTRO DE ACEITE (GR) | 310 |
| | 132-8876 | 1 | FILTRO DE ACEITE (GR) | 309 |
| PANTALLA (CONJ) (BARRIDO DE CONVERTIDOR DE PAR) | 3T-6471 | 1 | TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR) | 324 |
| PANTALLA (CONJ) (ENTRADA DE BOMBA DE ACEITE DE TREN DE FUERZA) | 9P-0214 | 1 | TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR) | 324 |
| REJILLA DE SUCCIÓN | 8S-9130 | 1 | CAJA Y PIEZAS DE LOS PLANETARIOS | 302 |
| RESPIRADERO (CONJ) (TREN DE FUERZA) | 185-6684 | 1 | TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR) | 324 |
| TAPA CONTRA EL POLVO | 6V-0852 | 2 | CAJA Y PIEZAS DE LOS PLANETARIOS | 302 |
| | | 1 | FILTRO DE ACEITE (GR) | 310 |
| | | 3 | TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR) | 324 |
| | | 1 | VÁLVULA DE ALIVIO (GR) | 365 |
| | | 1 | VÁLVULA DE CONTROL (GR) | 358 |
| | 8C-3447 | 1 | TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR) | 324 |
| TAPA DE LLENADO (CONJ) (ACEITE DEL TREN DE FUERZA) | 6N-2985 | 1 | TUBERÍAS DE ACEITE DEL TREN DE FUERZA (GR) | 324 |
| TAPÓN | 9S-8008 | 2 | VÁLVULA DE CONTROL (GR) | 358 |
| TAPÓN DE DRENAJE | 4B-7739 | 1 | CONVERTIDOR DE PAR (GR) | 350 |
| **TREN DE RODAJE** | | | | |
| CONEXIÓN DE ENGRASE | 3B-8489 | 2 | BARRA COMPENSADORA (GR) | 472 |
| | | 2 | BARRA COMPENSADORA (GR) | 474 |
| RESPIRADERO | 9G-5127 | 1 | LUBRICACIÓN DE EJE PIVOTE (GR) | 490 |
| TAPA DE NIVEL DE ACEITE (CONJ) | 8E-3410 | 1 | LUBRICACIÓN DE EJE PIVOTE (GR) | 490 |
| TAPÓN DE DRENAJE | 4T-2069 | 6 | BASTIDOR TELESCÓPICO DEL RESORTE TENSOR (GR) | 476 |
| | | 6 | BASTIDOR TELESCÓPICO DEL RESORTE TENSOR (GR) | 478 |
| | | 6 | BASTIDOR TELESCÓPICO DEL RESORTE TENSOR (GR) | 482 |

# PEÇAS DE MANUTENÇÃO

| DESCRIÇÃO | NÚMERO DE PEÇA | QUANT | UTILIZADA EM | PÁGINA |
|---|---|---|---|---|
| **ACESSÓRIOS** | | | | |
| GRAXEIRA | 3B-8489 | 4 | ARMAÇÃO DO RIPER | 686 |
| | | 2 | TIRANTE DA LÂMINA | 673 |
| GRAXEIRA (ROSCA 1/8-27 POL) | 3B-8489 | 2 | MONTAGEM - CILINDRO | 693 |
| **CHASSI E CARROCERIA** | | | | |
| CADEADO | 5P-8502 | 4 | CAIXA DA BATERIA | 374 |
| | | 1 | COBERTURA - TANQUE HIDRÁULICO | 414 |
| | | 2 | COBERTURA DO MOTOR | 410 |
| | | 1 | PROTETOR - RADIADOR | 444 |
| CHAVE | 5P-8500 | 1 | CAIXA DA BATERIA | 374 |
| | | 1 | COBERTURA DO MOTOR | 410 |
| | | 1 | PROTETOR - RADIADOR | 444 |
| CHAVE (MOTOR DE PARTIDA) | 5P-8500 | 1 | COBERTURA - TANQUE HIDRÁULICO | 414 |
| TAMPA | 2B-0176 | 2 | PROTETOR - RADIADOR | 444 |
| **MATERIAL RODANTE** | | | | |
| BUJÃO DO DRENO | 4T-2069 | 6 | ARMAÇÃO TELESCÓPICA DA MOLA TENSORA | 476 |
| | | 6 | ARMAÇÃO TELESCÓPICA DA MOLA TENSORA | 478 |
| | | 6 | ARMAÇÃO TELESCÓPICA DA MOLA TENSORA | 482 |
| GRAXEIRA | 3B-8489 | 2 | BARRA EQUALIZADORA | 472 |
| | | 2 | BARRA EQUALIZADORA | 474 |
| RESPIRO | 9G-5127 | 1 | EIXO PIVÔ - LUBRIFICAÇÃO | 490 |
| TAMPA - NÍVEL DO ÓLEO | 8E-3410 | 1 | EIXO PIVÔ - LUBRIFICAÇÃO | 490 |
| **MOTOR - ARRANJO** | | | | |
| CADEADO | 5P-8502 | 2 | GRUPO DE INSTALAÇÃO - MOTOR | 14 |
| CHAVE | 5P-8500 | 1 | GRUPO DE INSTALAÇÃO - MOTOR | 14 |
| **MOTOR BÁSICO** | | | | |
| BUJÃO - DRENAGEM DO ÓLEO | 4P-0513 | 1 | CÁRTER DO ÓLEO DO MOTOR | 62 |
| BUJÃO DO DRENO | 5F-0304 | 1 | CAIXA DO VOLANTE DO MOTOR | 52 |
| GRAXEIRA | 3B-8485 | 1 | COMANDO DO VENTILADOR | 40 |
| | 3B-8489 | 1 | AJUSTADOR DE CORREIAS | 16 |
| | | 1 | COMANDO DO VENTILADOR | 42 |
| JOGO DE CORREIAS COM TIRAS | 9Q-3670 | 1 | COMANDO DO VENTILADOR | 40 |
| JOGO DE CORREIAS EM V (INCLUI 3 CORREIAS) | 129-2416 | 1 | COMANDO DO VENTILADOR | 40 |
| | | 1 | COMANDO DO VENTILADOR | 42 |
| JUNTA | 4N-1151 | 2 | CÁRTER DO ÓLEO DO MOTOR | 64 |
| RETENTOR (2,9M) | 5P-5678 | | GR. BÁSICO - TAMPA DAS VÁLVULAS E CHICOTE DE INJEÇÃO | 15 |

# PEÇAS DE MANUTENÇÃO

| DESCRIÇÃO | NÚMERO DE PEÇA | QUANT | UTILIZADA EM | PÁGINA |
|---|---|---|---|---|
| **POSTO DO OPERADOR** | | | | |
| CORREIA EM V (COMPRESSOR DO AR CONDICIONADO) | 2S-9506 | 1 | COMPRESSOR DE REFRIGERANTE | 750 |
| FILTRO - AR (CABINE - AR LIVRE) | 6T-0988 | 1 | PRESSURIZADOR | 818 |
| FILTRO (AR DE RECIRCULAÇÃO DA CABINE) | 6T-5068 | 1 | PRESSURIZADOR | 818 |
| LÂMINA DO LIMPADOR DE PÁRA-BRISA (DIANTEIRO E TRASEIRO) | 6V-5851 | 2 | LIMPADOR DO VIDRO | 870 |
| LÂMINA DO LIMPADOR DE PÁRA-BRISA (PORTAS-LADO DIREITO & LADO ESQUERDO) | 6V-5849 | 2 | LIMPADOR DO VIDRO | 870 |
| LÂMPADA (24 V) | 3E-8825 | 2 | CONDICIONADOR DE AR | 733 |
| | | 2 | CONDICIONADOR DE AR | 734 |
| | | 2 | CONDICIONADOR DE AR | 735 |
| | 115-1748 | 1 | INSTRUMENTOS | 770 |
| | | 1 | INSTRUMENTOS-CABINE | 774 |
| LÂMPADA (28 V) | 123-9294 | 4 | INSTRUMENTOS | 770 |
| | | 4 | INSTRUMENTOS-CABINE | 774 |
| LUZ DO PAINEL DE INSTRUMENTOS | 159-9257 | 1 | INSTRUMENTOS | 770 |
| | | 1 | INSTRUMENTOS-CABINE | 774 |
| TAMPA - CONDICIONADOR DE AR (ROSCA DE 7/16 X 20) | 2L-1224 | 1 | CONDENSADOR DE REFRIGERANTE | 754 |
| TAMPA - RETENTOR (CONDICIONADOR DE AR)(ALTO LADO) | 3E-4052 | 1 | TUBOS - AR CONDICIONADO | 782 |
| | | 1 | TUBOS - AR CONDICIONADO | 786 |
| | | 1 | TUBOS - AR CONDICIONADO | 790 |
| TAMPA COM RESPIRO | 8E-8292 | 1 | FRASCO - LAVADOR DE JANELA | 742 |
| **SISTEMA DA ADMISSÃO DE AR E DE ESCAPE** | | | | |
| ELEMENTO - FILTRANTE | 7M-1674 | 1 | TUBOS - AR | 150 |
| ELEMENTO DO FILTRO DE AR (PRIMÁRIO) | 6I-2505 | 1 | PURIFICADOR DE AR | 146 |
| ELEMENTO DO FILTRO DE AR (SECUNDÁRIO) | 6I-2506 | 1 | PURIFICADOR DE AR | 146 |
| INDICADOR - LIMPEZA DO FILTRO DE AR | 8N-2694 | 1 | INDICADOR - PURIFICADOR DE AR | 148 |
| JUNTA - COLETOR DE ESCAPE | 129-9452 | 6 | COLETOR DE ESCAPE | 151 |
| **SISTEMA DE ARREFECIMENTO** | | | | |
| BUJÃO DO DRENO | 8M-1869 | 1 | TUBOS - ÁGUA | 114 |
| CORREIA EM V (COMPRESSOR DO CONDICIONADOR DE AR) | 3S-3964 | 1 | VENTILADOR - VARIÁVEL | 98 |
| FILTRO - ÁGUA | 119-3025 | 1 | BOMBA DE ÁGUA | 121 |
| FILTRO - BOMBA DE ÁGUA | 136-3742 | 1 | BOMBA DE ÁGUA | 118 |
| JOGO DE CORREIAS COM TIRAS (VENTILADOR DO MOTOR) | 9Q-3668 | 1 | VENTILADOR - VARIÁVEL | 98 |
| MANGUEIRA | 106-4572 | 5 | RADIADOR | 128 |
| REGULADOR DE TEMPERATURA DA ÁGUA (92 GRAUS CENTÍGRADOS) | 4W-4794 | 1 | TUBOS - ÁGUA | 110 |
| TAMPA | 111-7421 | 2 | TANQUE DE ÁGUA | 138 |
| TAMPA - RADIADOR | 031-1119 | 1 | TANQUE - LÍQUIDO ARREFECEDOR | 137 |
| TAMPA CONTRA POEIRA | 6V-0852 | 1 | TUBOS - ÁGUA | 114 |

# PEÇAS DE MANUTENÇÃO

| DESCRIÇÃO | NÚMERO DE PEÇA | QUANT | UTILIZADA EM | PÁGINA |
|---|---|---|---|---|
| **SISTEMA DE COMBUSTÍVEL** | | | | |
| CADEADO | 5P-8502 | 1 | TANQUE DE COMBUSTÍVEL | 184 |
| | | 1 | TUBOS - COMBUSTÍVEL | 178 |
| CHAVE | 5P-8500 | 1 | TANQUE DE COMBUSTÍVEL | 184 |
| | | 1 | TUBOS - COMBUSTÍVEL | 178 |
| FILTRO - COMBUSTÍVEL | 1R-0749 | 1 | FILTRO - COMBUSTÍVEL | 174 |
| | 9P-7121 | 1 | TANQUE DE COMBUSTÍVEL | 184 |
| FILTRO (SEPARADOR DE ÁGUA E COMBUSTÍVEL) | 1R-0769 | 1 | FILTRO DE COMBUSTÍVEL E SEPARADOR DE ÁGUA | 175 |
| TAMPA CONTRA POEIRA | 9D-0630 | 1 | ADAPTADOR - ABASTECIMENTO RÁPIDO DE COMBUSTÍVEL | 168 |
| TAMPA DO TANQUE DE COMBUSTÍVEL | 7X-7700 | 1 | TANQUE DE COMBUSTÍVEL | 184 |
| TELA - RESERVATÓRIO (TANQUE DE COMBUSTÍVEL) | 5G-4109 | 1 | TUBOS - COMBUSTÍVEL | 178 |
| **SISTEMA DE DIREÇÃO E DE FREIO** | | | | |
| CONEXÃO (DESCONEXÃO RÁPIDA) | 6V-3965 | 1 | FILTRO - ÓLEO | 520 |
| FILTRO - ÓLEO | 102-2828 | 1 | FILTRO - ÓLEO | 520 |
| TAMPA CONTRA POEIRA | 6V-0852 | 1 | FILTRO - ÓLEO | 520 |
| | | 8 | TUBOS - DIREÇÃO | 524 |
| | 8C-3451 | 1 | FILTRO - ÓLEO | 520 |
| **SISTEMA DE LUBRIFICAÇÃO** | | | | |
| FILTRO - ÓLEO DO MOTOR | 1R-0716 | 1 | FILTRO - ÓLEO DO MOTOR | 76 |
| RESPIRO | 4N-4668 | 1 | RESPIRO | 72 |
| TAMPA - BOCAL DE ENCHIMENTO | 4P-9579 | 1 | BOCAL DE ENCHIMENTO DE ÓLEO DO MOTOR | 74 |
| TAMPA CONTRA POEIRA | 6V-0852 | 1 | FILTRO - ÓLEO DO MOTOR | 76 |
| | 8C-3445 | 1 | FILTRO - ÓLEO DO MOTOR | 76 |
| TAMPA (TANQUE DE ÓLEO DO MOTOR) | 110-8826 | 1 | ÓLEO - ARRANJO PARA TROCA RÁPIDA | 86 |
| TAMPA (TANQUE DE ÓLEO DO TREM DE FORÇA) | 110-8318 | 1 | ÓLEO - ARRANJO PARA TROCA RÁPIDA | 86 |

# PEÇAS DE MANUTENÇÃO

| DESCRIÇÃO | NÚMERO DE PEÇA | QUANT | UTILIZADA EM | PÁGINA |
|---|---|---|---|---|
| **SISTEMA ELÉTRICO E DE PARTIDA** | | | | |
| BATERIA (LIVRE DE MANUTENÇÃO)(12 VOLTS) | 3T-5760 | 4 | BATERIA E CABOS / FIOS ELÉTRICOS | 205 |
| CHAVE | 8H-5306 | 1 | CHAVE GERAL | 284 |
| CORREIA EM V | 4N-8218 | 1 | ALTERNADOR DE CORRENTE | 193 |
| | | 1 | ALTERNADOR DE CORRENTE | 194 |
| | | 1 | ALTERNADOR DE CORRENTE | 200 |
| DISJUNTOR AUTOMÁTICO DE CIRCUITO (135 AMP.) | 171-2213 | 1 | PAINEL - RELÉ | 256 |
| DISJUNTOR AUTOMÁTICO DE CIRCUITO (15 A) | 6T-3643 | 3 | PAINEL - RELÉ | 256 |
| ELEMENTO - AQUECEDOR DE ÁGUA DA CAMISA | 9G-6655 | 1 | AQUECEDOR DA ÁGUA DO MOTOR | 222 |
| ELEMENTO - AQUECEDOR DE ÁGUA DA CAMISA (240 VOLT, 1500 WATT) | 6T-3764 | 1 | AQUECEDOR DA ÁGUA DO MOTOR | 224 |
| FUSÍVEL (10 A) | 9W-1442 | 5 | PAINEL - RELÉ | 256 |
| FUSÍVEL (15 A) | 9W-1441 | 11 | PAINEL - RELÉ | 256 |
| FUSÍVEL (20 A) | 9W-1446 | 3 | PAINEL - RELÉ | 256 |
| FUSÍVEL (5 AMP) | 107-0799 | 1 | PAINEL - RELÉ | 256 |
| LÂMPADA (12 VOLT)(VERMELHA/VERDE)(LED) | 165-5655 | 1 | INSTALAÇÃO-SEGURANÇA | 228 |
| LÂMPADA (24 VOLTS)(65 WATTS) | 9X-3463 | 1 | LÂMPADA - FAROL | 230 |
| | | 1 | LÂMPADA - FAROL | 231 |
| LÂMPADA (24 VOLTS)(65 WATTS) (FAROL) | 9X-3463 | 1 | LÂMPADA - FAROL | 232 |
| LÂMPADA (28 V) | 7N-1996 | 1 | CABOS/FIOS ELÉTRICOS - PLATAFORMA | 288 |
| | 7N-9943 | 1 | LÂMPADA - TETO | 229 |
| LENTE - FAROL | 158-0248 | 1 | LÂMPADA - FAROL | 231 |
| | | 1 | LÂMPADA - FAROL | 232 |
| LENTE DA LÂMPADO DO TETO | 7T-0020 | 1 | LÂMPADA - TETO | 229 |
| LENTE VERMELHA | 6T-7058 | 1 | CABOS/FIOS ELÉTRICOS - PLATAFORMA | 288 |
| TAMPA | 9L-6770 | 1 | ALTERNADOR DE CORRENTE | 190 |

# PEÇAS DE MANUTENÇÃO

| DESCRIÇÃO | NÚMERO DE PEÇA | QUANT | UTILIZADA EM | PÁGINA |
|---|---|---|---|---|
| **SISTEMA HIDRÁULICO** | | | | |
| BUJÃO DO DRENO | 9J-7031 | 1 | TANQUE HIDRÁULICO E FILTRO | 630 |
| CADEADO | 5P-8502 | 1 | TUBOS - BOMBA | 606 |
| CHAVE | 5P-8500 | 1 | TUBOS - BOMBA | 606 |
| ELEMENTO FILTRANTE - ÓLEO (FLUXO HIDRÁULICO/REVERSO) (DESCARTÁVEL) | 1R-0735 | 1 | TANQUE HIDRÁULICO E FILTRO | 630 |
| ELEMENTO FILTRANTE - ÓLEO (FLUXO INVERSO) (FLUIDO RESISTENTE A FOGO) | 104-6931 | 1 | TANQUE HIDRÁULICO E FILTRO | 630 |
| ELEMENTO FILTRANTE - ÓLEO (HIDRÁULICO) (MAIOR DESEMPENHO) | 139-1537 | 1 | TANQUE HIDRÁULICO E FILTRO | 630 |
| GRAXEIRA | 3B-8489 | 1 | CILINDRO - INCLINAÇÃO DA LÂMINA | 566 |
| | | 1 | CILINDRO - INCLINAÇÃO DA LÂMINA | 568 |
| | | 1 | CILINDRO DE INCLINAÇÃO | 578 |
| | | 1 | CILINDRO DE INCLINAÇÃO | 582 |
| | | 2 | CILINDRO DE INCLINAÇÃO DO RÍPER | 574 |
| | | 2 | CILINDRO DE INCLINAÇÃO DO RÍPER | 576 |
| | | 2 | CILINDRO DE LEVANTAMENTO DO RIPER | 570 |
| JUNTA | 9H-6454 | 1 | TANQUE HIDRÁULICO E FILTRO | 631 |
| LUZ | 126-0810 | 1 | TUBOS - CIRCUITO PILOTO | 600 |
| TAMPA - BOCAL DE ENCHIMENTO | 7H-1447 | 1 | TANQUE HIDRÁULICO E FILTRO | 631 |
| TAMPA CONTRA POEIRA | 6V-0852 | 1 | TUBOS - BOMBA | 606 |
| | | 1 | TUBOS - CIRCUITO PILOTO | 588 |
| | | 1 | TUBOS - CIRCUITO PILOTO | 594 |
| TELA FILTRANTE | 5D-7927 | 1 | TANQUE HIDRÁULICO E FILTRO | 630 |
| | 6E-1752 | 1 | TANQUE HIDRÁULICO E FILTRO | 630 |
| | 6E-5066 | 1 | VALVULA REDUTORA E COLETOR | 650 |
| **TREM DE FORÇA** | | | | |
| BUJÃO - ANEL O | 9S-8008 | 2 | VÁLVULA DE CONTROLE | 358 |
| BUJÃO DO DRENO | 4B-7739 | 1 | CONVERSOR DE TORQUE | 350 |
| ELEMENTO FILTRANTE - ÓLEO (HIDRÁULICO) | 1R-0778 | 1 | FILTRO - ÓLEO | 310 |
| | 132-8876 | 1 | FILTRO - ÓLEO | 309 |
| RESPIRO (TREM DE FORÇA) | 185-6684 | 1 | TUBOS - ÓLEO DA TRANSMISSÃO | 324 |
| TAMPA - BOCAL DE ENCHIMENTO (ÓLEO DO TREM DE FORÇA) | 6N-2985 | 1 | TUBOS - ÓLEO DA TRANSMISSÃO | 324 |
| TAMPA CONTRA POEIRA | 6V-0852 | 2 | CARCAÇA DAS ENGRENAGENS PLANETÁRIAS E COMPONENTES | 302 |
| | | 1 | FILTRO - ÓLEO | 310 |
| | | 3 | TUBOS - ÓLEO DA TRANSMISSÃO | 324 |
| | | 1 | VÁLVULA DE ALÍVIO | 365 |
| | | 1 | VÁLVULA DE CONTROLE | 358 |
| | 8C-3447 | 1 | TUBOS - ÓLEO DA TRANSMISSÃO | 324 |
| TELA DE SUCÇÃO | 8S-9130 | 1 | CARCAÇA DAS ENGRENAGENS PLANETÁRIAS E COMPONENTES | 302 |
| TELA FILTRANTE (ENTRADA DA BOMBA DE ÓLEO DO TREM DE FORÇA) | 9P-0214 | 1 | TUBOS - ÓLEO DA TRANSMISSÃO | 324 |
| TELA FILTRANTE (RETORNO DO CONVERSOR DE TORQUE) | 3T-6471 | 1 | TUBOS - ÓLEO DA TRANSMISSÃO | 324 |

# WARTUNGSTEILE

| BESCHREIBUNG | ERSATZTEIL-NUMMER | MENGE | VERWENDET IN | SEITE |
|---|---|---|---|---|
| **ARBEITSGERÄTE** | | | | |
| SCHMIERNIPPEL | 3B-8489 | 4 | AUFREISSERRAHMEN | 686 |
| | | 2 | SCHILDSTREBE | 673 |
| SCHMIERNIPPEL (1/8-27-GEWINDE) | 3B-8489 | 2 | ZYLINDERAUFHÄNGUNG | 693 |
| **ELEKTRISCHE ANLAGE UND STARTSYSTEM** | | | | |
| ARBEITSLEUCHTEN-ABDECKGLAS | 158-0248 | 1 | ARBEITSLEUCHTEN | 231 |
| | | 1 | ARBEITSLEUCHTEN | 232 |
| BATTERIE (WARTUNGSFREI) (12 V) | 3T-5760 | 4 | BATTERIE UND VERDRAHTUNG | 205 |
| FAHRERHAUSLEUCHTENLINSE | 7T-0020 | 1 | FAHRERHAUSBELEUCHTUNG | 229 |
| KAPPE | 9L-6770 | 1 | DREHSTROMGENERATOR | 190 |
| KEILRIEMEN | 4N-8218 | 1 | DREHSTROMGENERATOR | 193 |
| | | 1 | DREHSTROMGENERATOR | 194 |
| | | 1 | DREHSTROMGENERATOR | 200 |
| LEUCHTE (12 V)(ROT/GRÜN)(LED) | 165-5655 | 1 | SICHERHEITSEINBAUSATZ | 228 |
| LEUCHTE (24 V)(65 W) | 9X-3463 | 1 | ARBEITSLEUCHTEN | 230 |
| | | 1 | ARBEITSLEUCHTEN | 231 |
| LEUCHTE (24 V)(65 W) (ARBEITSSCHEINWERFER) | 9X-3463 | 1 | ARBEITSLEUCHTEN | 232 |
| LEUCHTE (28 V) | 7N-9943 | 1 | FAHRERHAUSBELEUCHTUNG | 229 |
| | 7N-1996 | 1 | FAHRERPLATTFORMVERDRAHTUNG | 288 |
| LINSE - ROT | 6T-7058 | 1 | FAHRERPLATTFORMVERDRAHTUNG | 288 |
| SCHLÜSSEL | 8H-5306 | 1 | TRENNSCHALTER | 284 |
| SICHERUNG (10 A) | 9W-1442 | 5 | RELAISTAFEL | 256 |
| SICHERUNG (15 A) | 9W-1441 | 11 | RELAISTAFEL | 256 |
| SICHERUNG (20 A) | 9W-1446 | 3 | RELAISTAFEL | 256 |
| SICHERUNG (5 A) | 107-0799 | 1 | RELAISTAFEL | 256 |
| UMLAUFKÜHLWASSERHEIZUNGS-ELEMENT | 9G-6655 | 1 | UMLAUFKÜHLWASSERHEIZUNG | 222 |
| UMLAUFKÜHLWASSERHEIZUNGS-ELEMENT (240 V/1500 W) | 6T-3764 | 1 | UMLAUFKÜHLWASSERHEIZUNG | 224 |
| UNTERBRECHER (135 A) | 171-2213 | 1 | RELAISTAFEL | 256 |
| UNTERBRECHER (15 A) | 6T-3643 | 3 | RELAISTAFEL | 256 |

# WARTUNGSTEILE

| BESCHREIBUNG | ERSATZTEIL-NUMMER | MENGE | VERWENDET IN | SEITE |
|---|---|---|---|---|
| **FAHRERHAUS** | | | | |
| DICHTUNGSKAPPE (KLIMAANLAGE)(OBERE SEITE) | 3E-4052 | 1 | KLIMAANLAGENLEITUNGEN | 782 |
| | | 1 | KLIMAANLAGENLEITUNGEN | 786 |
| | | 1 | KLIMAANLAGENLEITUNGEN | 790 |
| FILTERSATZ (FAHRERHAUS-UM-LUFTFILTER) | 6T-5068 | 1 | FAHRERHAUSBELÜFTUNG | 818 |
| INSTRUMENTENTAFELBELEUCHTUNG | 159-9257 | 1 | FAHRERHAUS-INSTRUMENTENTAFEL | 774 |
| | | 1 | INSTRUMENTENSATZ | 770 |
| KAPPE MIT ENTLÜFTER | 8E-8292 | 1 | SCHEIBENWASCHANLAGENBE-HÄLTER | 742 |
| KEILRIEMEN (KLIMAANLAGEN-KOMRESSOR) | 2S-9506 | 1 | KÄLTEMITTELKOMPRESSOR | 750 |
| KLIMAANLAGEN-VENTILKAPPE (7/16 X 20 GEWINDE) | 2L-1224 | 1 | KÄLTEMITTELKONDENSATOR | 754 |
| LEUCHTE (24 V) | 3E-8825 | 2 | KLIMAANLAGE | 733 |
| | | 2 | KLIMAANLAGE | 734 |
| | | 2 | KLIMAANLAGE | 735 |
| | 115-1748 | 1 | FAHRERHAUS-INSTRUMENTENTAFEL | 774 |
| | | 1 | INSTRUMENTENSATZ | 770 |
| LEUCHTE (28 V) | 123-9294 | 4 | FAHRERHAUS-INSTRUMENTENTAFEL | 774 |
| | | 4 | INSTRUMENTENSATZ | 770 |
| LUFTFILTER (FAHRERHAUS-FRI-SCHLUFTFILTER) | 6T-0988 | 1 | FAHRERHAUSBELÜFTUNG | 818 |
| SCHEIBENWISCHERBLATT (RECHTE U. LINKE TÜREN) | 6V-5849 | 2 | SCHEIBENWISCHER | 870 |
| SCHEIBENWISCHERBLATT (VORNE U. HINTEN) | 6V-5851 | 2 | SCHEIBENWISCHER | 870 |

# WARTUNGSTEILE

| BESCHREIBUNG | ERSATZTEIL-NUMMER | MENGE | VERWENDET IN | SEITE |
|---|---|---|---|---|
| **HYDRAULIKSYSTEM** | | | | |
| ABLASSSTOPFEN | 9J-7031 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 630 |
| DICHTUNG | 9H-6454 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 631 |
| EINFÜLLSTUTZENKAPPE | 7H-1447 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 631 |
| FILTERSIEB | 5D-7927 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 630 |
| LEUCHTE | 126-0810 | 1 | VORSTEUERLEITUNGEN | 600 |
| ÖLFILTERELEMENT (HYDRAULIK/STROMUMKEHRUNG) (NICHT WIEDERVERWENDBAR) | 1R-0735 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 630 |
| ÖLFILTERELEMENT (HYDRAULISCH) (HOCHLEISTUNG) | 139-1537 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 630 |
| ÖLFILTERELEMENT (RÜCKFLUSS) (SCHWER ENTFLAMMBARE FLÜSSIGKEIT) | 104-6931 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 630 |
| SCHLÜSSEL | 5P-8500 | 1 | HYDRAULIKPUMPE UND LEITUNGEN | 606 |
| SCHMIERNIPPEL | 3B-8489 | 2 | AUFREISSERHUBZYLINDER | 570 |
| | | 2 | AUFREISSERKIPPZYLINDER | 574 |
| | | 2 | AUFREISSERKIPPZYLINDER | 576 |
| | | 1 | KIPPZYLINDER | 578 |
| | | 1 | KIPPZYLINDER | 582 |
| | | 1 | PLANIERSCHILDKIPPZYLINDER | 566 |
| | | 1 | PLANIERSCHILDKIPPZYLINDER | 568 |
| SCREEN | 6E-1752 | 1 | HYDRAULIKTANK UND SCHMIERFILTER | 630 |
| | 6E-5066 | 1 | VERTEILER- UND REDUZIERVENTIL | 650 |
| STAUBKAPPE | 6V-0852 | 1 | HYDRAULIKPUMPE UND LEITUNGEN | 606 |
| | | 1 | VORSTEUERLEITUNGEN | 588 |
| | | 1 | VORSTEUERLEITUNGEN | 594 |
| VORHÄNGESCHLOSS | 5P-8502 | 1 | HYDRAULIKPUMPE UND LEITUNGEN | 606 |
| **KRAFTSTOFFSYSTEM** | | | | |
| FILTERSATZ (WASSERABSCHEIDER U. KRAFTSTOFFILTER) | 1R-0769 | 1 | WASSERABSCHEIDER- U. KRAFTSTOFFILTER | 175 |
| KRAFTSTOFFILTER | 1R-0749 | 1 | KRAFTSTOFFILTER | 174 |
| KRAFTSTOFFSIEB | 9P-7121 | 1 | KRAFTSTOFFTANK | 184 |
| KRAFTSTOFFTANKKAPPE | 7X-7700 | 1 | KRAFTSTOFFTANK | 184 |
| SCHLÜSSEL | 5P-8500 | 1 | KRAFTSTOFFLEITUNGEN | 178 |
| | | 1 | KRAFTSTOFFTANK | 184 |
| STAUBKAPPE | 9D-0630 | 1 | SCHNELLBETANKUNGSANSCHLUSS | 168 |
| SUMPFSIEB (KRAFTSTOFFTANK) | 5G-4109 | 1 | KRAFTSTOFFLEITUNGEN | 178 |
| VORHÄNGESCHLOSS | 5P-8502 | 1 | KRAFTSTOFFLEITUNGEN | 178 |
| | | 1 | KRAFTSTOFFTANK | 184 |

# WARTUNGSTEILE

| BESCHREIBUNG | ERSATZTEIL-NUMMER | MENGE | VERWENDET IN | SEITE |
|---|---|---|---|---|
| **KRAFTÜBERTRAGUNG** | | | | |
| ABLASSSTOPFEN | 4B-7739 | 1 | DREHMOMENTWANDLER | 350 |
| ANSAUGSIEB | 8S-9130 | 1 | PLANETENANTRIEBSGEHÄUSE U. TEILE | 302 |
| EINFÜLLKAPPE (KRAFTÜBERTRAGUNGSÖL) | 6N-2985 | 1 | ÖLLEITUNGEN - KRAFTÜBERTRAGUNG | 324 |
| ENTLÜFTER (KRAFTÜBERTRAGUNG) | 185-6684 | 1 | ÖLLEITUNGEN - KRAFTÜBERTRAGUNG | 324 |
| O-RING-STOPFEN | 9S-8008 | 2 | STEUERVENTIL | 358 |
| ÖLFILTERELEMENT (HYDRAULISCH) | 1R-0778 | 1 | ÖLFILTER | 310 |
| | 132-8876 | 1 | ÖLFILTER | 309 |
| SIEB (KRAFTÜBERTRAGUNGSÖLPUMPENEINLASS) | 9P-0214 | 1 | ÖLLEITUNGEN - KRAFTÜBERTRAGUNG | 324 |
| SIEB (WANDLERRÜCKLAUFSIEB) | 3T-6471 | 1 | ÖLLEITUNGEN - KRAFTÜBERTRAGUNG | 324 |
| STAUBKAPPE | 6V-0852 | 1 | ÖLFILTER | 310 |
| | | 3 | ÖLLEITUNGEN - KRAFTÜBERTRAGUNG | 324 |
| | | 2 | PLANETENANTRIEBSGEHÄUSE U. TEILE | 302 |
| | | 1 | STEUERVENTIL | 358 |
| | | 1 | ÜBERDRUCKVENTIL | 365 |
| | 8C-3447 | 1 | ÖLLEITUNGEN - KRAFTÜBERTRAGUNG | 324 |
| **KÜHLSYSTEM** | | | | |
| ABLASSSTOPFEN | 8M-1869 | 1 | KÜHLWASSERLEITUNGEN | 114 |
| KAPPE | 111-7421 | 2 | WASSERTANK | 138 |
| KEILRIEMEN (KLIMAANLAGEN-KOMPRESSOR) | 3S-3964 | 1 | LÜFTER (VERSTELLBAR) | 98 |
| KEILRIEMEN (VERSTÄRKT) (MOTORLÜFTER) | 9Q-3668 | 1 | LÜFTER (VERSTELLBAR) | 98 |
| KÜHLERKAPPE | 031-1119 | 1 | KÜHLMITTELBEHÄLTER | 137 |
| SCHLAUCHLEITUNG | 106-4572 | 5 | KÜHLER | 128 |
| STAUBKAPPE | 6V-0852 | 1 | KÜHLWASSERLEITUNGEN | 114 |
| WASSERFILTER | 119-3025 | 1 | KÜHLWASSERPUMPE | 121 |
| WASSERPUMPENFILTER | 136-3742 | 1 | KÜHLWASSERPUMPE | 118 |
| WASSERTEMPERATURREGLER (92 GRAD CELSIUS) | 4W-4794 | 1 | KÜHLWASSERLEITUNGEN | 110 |
| **LAUFWERK** | | | | |
| ABLASSSTOPFEN | 4T-2069 | 6 | LAUFROLLENRAHMEN (TELESKOPRÜCKLAUF) | 476 |
| | | 6 | LAUFROLLENRAHMEN (TELESKOPRÜCKLAUF) | 478 |
| | | 6 | LAUFROLLENRAHMEN (TELESKOPRÜCKLAUF) | 482 |
| ENTLÜFTER | 9G-5127 | 1 | ACHSWELLENSCHMIERUNG | 490 |
| ÖLSTANDKAPPE | 8E-3410 | 1 | ACHSWELLENSCHMIERUNG | 490 |
| SCHMIERNIPPEL | 3B-8489 | 2 | QUERTRAVERSE | 472 |
| | | 2 | QUERTRAVERSE | 474 |

# WARTUNGSTEILE

| BESCHREIBUNG | ERSATZTEIL-NUMMER | MENGE | VERWENDET IN | SEITE |
|---|---|---|---|---|
| **LENK- UND BREMSSYSTEM** | | | | |
| ANSCHLUSSSTÜCK (SCHNELLWECHSELANSCHLUSS) | 6V-3965 | 1 | ÖLFILTER | 520 |
| ÖLFILTER | 102-2828 | 1 | ÖLFILTER | 520 |
| STAUBKAPPE | 6V-0852 | 8 | LENKÖLLEITUNGEN | 524 |
| | | 1 | ÖLFILTER | 520 |
| | 8C-3451 | 1 | ÖLFILTER | 520 |
| **LUFTEINLASS- UND ABGASSYSTEM** | | | | |
| ABGASKRÜMMERDICHTUNG | 129-9452 | 6 | AUSPUFFKRÜMMER | 151 |
| FILTER | 7M-1674 | 1 | DRUCKLUFTLEITUNGEN | 150 |
| LUFTFILTER (HAUPTFILTER) | 6I-2505 | 1 | LUFTREINIGER | 146 |
| LUFTFILTER (SICHERHEITSFILTER) | 6I-2506 | 1 | LUFTREINIGER | 146 |
| LUFTFILTER-WARTUNGSANZEIGE | 8N-2694 | 1 | LUFTREINIGERANZEIGE | 148 |
| **MOTOR (GRUNDAUSFÜHRUNG)** | | | | |
| ABLASSSTOPFEN | 5F-0304 | 1 | SCHWUNGRADGEHÄUSE | 52 |
| DICHTUNG | 4N-1151 | 2 | ÖLWANNE | 64 |
| DICHTUNG (2,9 M) | 5P-5678 | | SOCKEL FÜR VENTILDECKEL U. EINSPRITZKABELBAUM | 15 |
| KEILRIEMEN (VERSTÄRKT) | 9Q-3670 | 1 | LÜFTERANTRIEB | 40 |
| KEILRIEMENSATZ (EINSCHL. 3 RIEMEN) | 129-2416 | 1 | LÜFTERANTRIEB | 40 |
| | | 1 | LÜFTERANTRIEB | 42 |
| ÖLABLASSSCHRAUBE | 4P-0513 | 1 | ÖLWANNE | 62 |
| SCHMIERNIPPEL | 3B-8485 | 1 | LÜFTERANTRIEB | 40 |
| | 3B-8489 | 1 | LÜFTERANTRIEB | 42 |
| | | 1 | RIEMENSPANNER | 16 |
| **MOTORAUSFÜHRUNG** | | | | |
| SCHLÜSSEL | 5P-8500 | 1 | MOTOR-EINBAUSATZ | 14 |
| VORHÄNGESCHLOSS | 5P-8502 | 2 | MOTOR-EINBAUSATZ | 14 |
| **RAHMEN UND AUFBAU** | | | | |
| KAPPE | 2B-0176 | 2 | KÜHLERSCHUTZ | 444 |
| SCHLÜSSEL | 5P-8500 | 1 | BATTERIEKASTEN | 374 |
| | | 1 | KÜHLERSCHUTZ | 444 |
| | | 1 | MOTORVERKLEIDUNG | 410 |
| SCHLÜSSEL (STARTER) | 5P-8500 | 1 | HYDRAULIKTANKVERKLEIDUNG | 414 |
| VORHÄNGESCHLOSS | 5P-8502 | 4 | BATTERIEKASTEN | 374 |
| | | 1 | HYDRAULIKTANKVERKLEIDUNG | 414 |
| | | 1 | KÜHLERSCHUTZ | 444 |
| | | 2 | MOTORVERKLEIDUNG | 410 |
| **SCHMIERSYSTEM** | | | | |
| EINFÜLLKAPPE | 4P-9579 | 1 | MOTORÖLEINFÜLLSTUTZEN | 74 |
| ENTLÜFTER | 4N-4668 | 1 | ENTLÜFTER | 72 |
| KAPPE (KRAFTÜBERTRAGUNGSÖL-AUFNAHME) | 110-8318 | 1 | ÖLSCHNELLWECHSELANSCHLUSS | 86 |
| KAPPE (MOTORÖLAUFNAHME) | 110-8826 | 1 | ÖLSCHNELLWECHSELANSCHLUSS | 86 |
| ÖLFILTER | 1R-0716 | 1 | ÖLFILTER | 76 |
| STAUBKAPPE | 6V-0852 | 1 | ÖLFILTER | 76 |
| | 8C-3445 | 1 | ÖLFILTER | 76 |

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# *143-7721* DISPOSAL AR-WASTE

**S/N: AKA1-UP**

**FOR USE WITH LIFT CYLINDERS FOR MOUNTING LIGHTS, ENGINE ENCLOSURES AND FUEL TANK GUARD ATTACHMENTS.**

**SMCS-7000** **i01488443**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *143-7722* | 1 | DISPOSAL AR-WASTE | 2 |
| Y | **170-5758** | 2 | FRAME AS-TRACK ROLLER | 475 |
| Y | *159-8838* | 1 | GUARD AR-FINAL DRIVE | 426 |
| Y | *166-4428* | 1 | GUARD AR-IDLER | 428 |
| Y | *160-1809* | 1 | LIGHTING AR | 238 |

Y-SEPARATE ILLUSTRATION

# MACHINE ARRANGEMENT

## *143-7722* DISPOSAL AR-WASTE

**S/N: AKA1-UP**

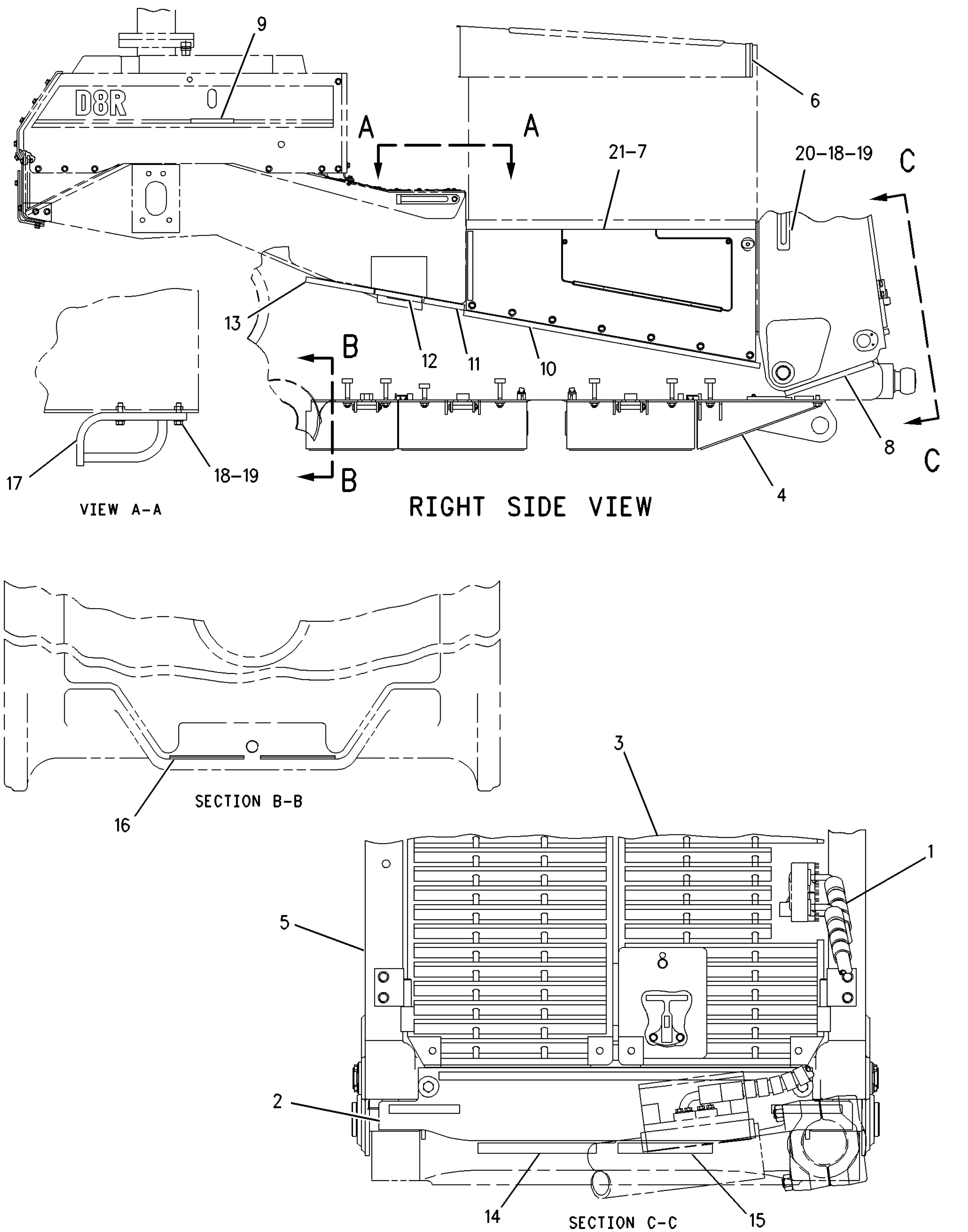
**PART OF 143-7721, 199-0818 DISPOSAL AR-WASTE**

**SMCS-7000** **i01488449**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *119-5125* | 1 | LANDFILL AR | 8 |
| | 2 | 1 | **202-1331** | 1 | PLATE AS | |
| | | 1 | **1Q-2446** | 2 | BAR | |
| Y | 3 | 1 | *118-7442* | 1 | GRILL GP-RADIATOR | 420 |
| Y | 4 | 1 | *159-5984* | 1 | GUARD GP-BOTTOM | 434 |
| Y | 5 | 1 | *118-7441* | 1 | GUARD AS-RADIATOR | 430 |
| BD | 6 | 1 | **5P-7211** | 1 | SEAL | |
| | 7 | 1 | **176-0841** | 1 | PLATE AS-LH | |
| | | | | | (EAH PLATE AS INCLUDES) | |
| | | 1 | **1Z-9277** | 1 | BAR | |
| | | 1 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | 8 | 1 | **9Z-9129** | 2 | BAR | |
| | 9 | 1 | **109-5196** | 2 | FILM-WASTE HANDLER | |
| | 10 | 1 | **9Z-9128** | 2 | BAR | |
| | 11 | 1 | **1Z-9278** | 2 | BAR | |
| | 12 | 1 | **9Z-9127** | 2 | BAR | |
| | 13 | 1 | **1Z-9277** | 2 | BAR | |
| | 14 | 1 | **1Q-2983** | 1 | BAR | |
| | 15 | 1 | **1Q-3000** | 1 | BAR | |
| | 16 | 1 | **1Q-3685** | 2 | PLATE | |
| | 17 | 1 | **1Q-2423** | 2 | HANDLE AS | |
| | 18 | 1 | **8T-4835** | 6 | BOLT (1/2-13X2 IN) | |
| | 19 | 1 | **8T-4223** | 6 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 20 | 1 | **1Q-2130** | 1 | HANDLE AS | |
| | 21 | 1 | **176-0840** | 1 | PLATE AS-RH | |
| | | | | | | |
| FY | | 1 | *183-7648* | 1 | ALTERNATOR GP-CHARGING | 198 |
| FY | | 1 | *1Z-0746* | 1 | GUARD GP-SEAL | 447 |
| F | | 1 | **8S-2385** | 1 | STACK AS-AIR | |

B-USE AS REQUIRED
D-ORDER BY THE METER
F-NOT SHOWN
Y-SEPARATE ILLUSTRATION

*143-7722* **DISPOSAL AR-WASTE** ***(contd.)*** **i01488449**




GRAPHIC #1

g00777804

# MACHINE ARRANGEMENT

## *199-0818* DISPOSAL AR-WASTE

S/N: AKA1-UP

SMCS-7000 i01489140

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *198-9754* | 1 | CASE & FRAME GP | 386 |
| Y | *143-7722* | 1 | DISPOSAL AR-WASTE | 2 |
| Y | *128-0302* | 2 | FINAL DRIVE GP | 312 |
| Y | *129-1330* | 1 | GAUGE AR | 6 |
| Y | *166-4427* | 1 | GUARD AR-IDLER | 427 |
| Y | *160-1809* | 1 | LIGHTING AR | 238 |

Y-SEPARATE ILLUSTRATION

# MACHINE ARRANGEMENT

## *157-1740* ELECTRONICS AR-MACHINE

**S/N: AKA1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-7000** **i01429656**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **159-9035** | 1 | ELECTRONICS GP-MACHINE | 217 |
| Y | **195-5200** | 1 | ELECTRONICS GP-MONITOR | 219 |

Y-SEPARATE ILLUSTRATION

## *129-1330* GAUGE AR

**S/N: AKA1-UP**

**LGP**

**PART OF 199-0818 DISPOSAL AR-WASTE**

**SMCS-7000** **i01323267**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *1Q-3056* | 1 | AXLE GP-POWER TRAIN | 292 |
| | | | | |
| | **1Q-3136** | 1 | EQUALIZER BAR AS | |
| | **117-4013** | 2 | BEARING-SELF ALIGNING | |
| | **130-3139** | 2 | BEARING-SLEEVE | |
| | **5L-4751** | 4 | RING-RETAINING | |
| | **7G-8664** | 1 | SEAL (80.46MM ID) | |
| | **7G-8666** | 1 | SEAL (79.87MM ID) | |
| | **1Q-3039** | 2 | RETAINER AS | |
| | **7T-1153** | 1 | PLATE | |
| | **7T-1151** | 1 | SEAL | |
| | **9X-7505** | 4 | SEAL AS | |
| | **1Q-3042** | 1 | SHAFT-PIVOT | |

Y-SEPARATE ILLUSTRATION

# *157-0818* GENERAL AR

S/N: AKA1-UP

SMCS-7000 i01429480

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **157-0819** | 1 | CHASSIS AR | 388 |
| Y | **157-1740** | 1 | ELECTRONICS AR-MACHINE | 5 |
| Y | **157-7195** | 1 | ENGINE AR-COMPLETE | 11 |
| Y | **157-0821** | 1 | HYDRAULIC AR | 584 |
| Y | **159-5908** | 1 | INSTALLATION AR-ENGINE | 14 |
| Y | **157-0820** | 1 | POWER TRAIN AR | 340 |
| Y | **156-5684** | 1 | UNDERCARRIAGE AR | 507 |

Y-SEPARATE ILLUSTRATION

# MACHINE ARRANGEMENT

## *119-5125* LANDFILL AR

**S/N: AKA1-UP**

**PART OF 143-7722 DISPOSAL AR-WASTE**

**SMCS-7000** **i01223764**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **165-0020** | 2 | HOSE | |
| | | | 84CM LENGTH EACH | |
| | | | 1-90 DEGREE & 1-60 DEGREE COUPLING | |
| I | **119-5154** | 1 | HOSE AS | |
| | | | 97 CM LENGTH | |
| | | | 90 DEGREE COUPLING EACH END | |
| I | **119-5153** | 1 | HOSE AS | |
| | | | 91 CM LENGTH | |
| | | | 90 DEGREE COUPLING EACH END | |

I-SEE HOSE FABRICATION GUIDE

# *157-8035* SUPPRESSION AR-SOUND

**S/N: AKA1-UP**

**113 DECIBEL. EEC**

**FOR USE WITH CAB EQUIPPED MACHINES**

**SMCS-7000** **i01491462**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *160-2394* | 1 | ENCLOSURE GP-ENGINE | 410 |
| Y | **157-7196** | 1 | ENGINE AR-COMPLETE | 12 |
| Y | *202-1345* | 1 | MUFFLER GP | 154 |
| Y | **195-8711** | 1 | PLUG AS | 817 |
| | | | | |
| | **130-5158** | 1 | FILM | |
| | **130-5101** | 1 | FILM-OPERATOR SOUND | |

Y-SEPARATE ILLUSTRATION

# MACHINE ARRANGEMENT

## *143-7740* WOODCHIP AR

S/N: AKA1-UP

SMCS-7000 i01488536

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *158-6439* | 1 | AIR CONDITIONER AR | 735 |
| Y | *202-9780* | 1 | ALTERNATOR GP-CHARGING | 200 |
| Y | **163-4061** | 7 | CORE AS-RADIATOR | 94 |
| Y | **163-4062** | 2 | CORE AS-RADIATOR | 95 |
| Y | *118-7442* | 1 | GRILL GP-RADIATOR | 420 |
| Y | *118-7441* | 1 | GUARD AS-RADIATOR | 430 |
| Y | *160-1809* | 1 | LIGHTING AR | 238 |
| Y | **160-7442** | 1 | PRECLEANER AR | 158 |
| | | | | |
| | **160-7443** | 1 | HOOD AS | |
| | **1F-0750** | 18 | NUT-WELD (3/8-16 THD) | |
| | **1F-0748** | 7 | NUT-WELD (1/2-13 THD) | |
| | **3J-5169** | 1 | NUT (5/8-11 THD) | |
| | **126-1074** | 2 | HANDHOLD | |
| | **109-5197** | 2 | FILM-WOODCHIP AR | |
| | **1Z-0886** | 1 | PAINT GP | |

Y-SEPARATE ILLUSTRATION

# 157-7195 ENGINE AR-COMPLETE

**S/N: BET1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-1000** **i01474211**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *160-1122* | 1 | AFTERCOOLER GP | 142 |
| Y | *9Y-2989* | 1 | BREATHER GP | 72 |
| Y | *186-2169* | 1 | CONTROL & MTG GP-ENGINE ELEK | 210 |
| Y | *7W-2206* | 1 | COOLER GP-ENGINE OIL | 93 |
| YR | **4W-9822** | 1 | CORE GP-OIL COOLER | 96 |
| Y | *107-6737* | 1 | COVER GP-CYLINDER BLOCK | 19 |
| Y | *170-4672* | 1 | COVER GP-CYLINDER BLOCK | 20 |
| Y | *1W-8341* | 1 | COVER GP-FLYWHEEL HOUSING | 21 |
| Y | *150-4278* | 1 | COVER GP-FRONT HOUSING | 22 |
| Y | *160-7451* | 1 | COVER GP-VALVE MECHANISM | 26 |
| Y | *4P-5893* | 1 | DAMPER GP | 39 |
| Y | *160-0566* | 1 | ENGINE AR-CORE | 13 |
| Y | *150-3345* | 1 | FASTENER GP-FRONT HOUSING | 45 |
| Y | *162-1587* | 1 | FILLER GP-ENGINE OIL | 74 |
| Y | *7C-4941* | 1 | FILTER GP-ENGINE OIL | 76 |
| Y | *161-3202* | 1 | FILTER GP-FUEL | 174 |
| Y | *185-9978* | 1 | FILTER GP-WATER SEP & FUEL | 176 |
| Y | *159-9019* | 1 | FLYWHEEL GP | 46 |
| Y | *161-2423* | 1 | GAUGE GP-OIL LEVEL (DIPSTICK) | 80 |
| Y | *9Y-2187* | 1 | GEAR GP-REAR | 50 |
| Y | *100-2879* | 1 | HOUSING GP-FLYWHEEL | 52 |
| Y | *161-1509* | 1 | HOUSING GP-FRONT | 54 |
| Y | *200-1302* | 1 | LIFTING GP-ENGINE | 59 |
| Y | *160-5569* | 1 | LIFTING GP-ENGINE | 58 |
| Y | *156-8543* | 1 | LINES GP-AIR | 149 |
| Y | *4W-3821* | 1 | LINES GP-ENGINE OIL | 82 |
| Y | *161-1507* | 1 | LINES GP-FUEL | 180 |
| Y | *156-8544* | 1 | LINES GP-TURBOCHARGER OIL | 84 |
| Y | *160-4934* | 1 | LINES GP-WATER | 110 |
| Y | *161-2427* | 1 | LINES GP-WATER | 112 |
| Y | *167-0114* | 1 | LINES GP-WATER | 116 |
| Y | *157-7087* | 1 | MANIFOLD GP-EXHAUST | 151 |
| Y | *160-0569* | 1 | MOUNTING GP-ALTERNATOR | 60 |
| Y | *170-4674* | 1 | MOUNTING GP-FAN DRIVE | 61 |
| Y | *7W-0158* | 1 | PAN GP-OIL | 62 |
| Y | *162-1622* | 1 | PUMP GP-FUEL TRANSFER | 183 |
| Y | *100-9347* | 1 | PUMP GP-WATER | 117 |
| Y | *160-3916* | 1 | PUMP GP-WATER | 120 |
| Y | *102-7664* | 1 | SENSOR & MTG GP-PRESSURE | 258 |
| Y | *4N-2473* | 1 | SUPPORT GP-ENGINE | 69 |
| Y | *192-0542* | 1 | TRUNNION GP-ENGINE | 71 |
| Y | *161-1503* | 1 | WIRING GP-ENGINE | 286 |
| | | | | |
| | | | GASKET KITS WILL BE PROVIDED WHEN AVAILABLE | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

# 157-7196 ENGINE AR-COMPLETE

**S/N: BET1-UP**

**PART OF 157-8035 SUPPRESSION AR-SOUND**

SMCS-1000 i01474231

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | 160-1122 | 1 | AFTERCOOLER GP | 142 |
| Y | 9Y-2989 | 1 | BREATHER GP | 72 |
| Y | 186-2169 | 1 | CONTROL & MTG GP-ENGINE ELEK | 210 |
| Y | 7W-2206 | 1 | COOLER GP-ENGINE OIL | 93 |
| YR | **4W-9822** | 1 | CORE GP-OIL COOLER | 96 |
| Y | 107-6737 | 1 | COVER GP-CYLINDER BLOCK | 19 |
| Y | 170-4672 | 1 | COVER GP-CYLINDER BLOCK | 20 |
| Y | 1W-8341 | 1 | COVER GP-FLYWHEEL HOUSING | 21 |
| Y | 104-4825 | 1 | COVER GP-SOUND SUPPRESSION | 23 |
| Y | 161-8400 | 1 | COVER GP-SOUND SUPPRESSION | 24 |
| Y | 160-7451 | 1 | COVER GP-VALVE MECHANISM | 26 |
| Y | 4P-5893 | 1 | DAMPER GP | 39 |
| Y | 160-0566 | 1 | ENGINE AR-CORE | 13 |
| Y | 150-3345 | 1 | FASTENER GP-FRONT HOUSING | 45 |
| Y | 162-1587 | 1 | FILLER GP-ENGINE OIL | 74 |
| Y | 7C-4941 | 1 | FILTER GP-ENGINE OIL | 76 |
| Y | 161-3202 | 1 | FILTER GP-FUEL | 174 |
| Y | 185-9978 | 1 | FILTER GP-WATER SEP & FUEL | 176 |
| Y | 159-9019 | 1 | FLYWHEEL GP | 46 |
| Y | 161-2423 | 1 | GAUGE GP-OIL LEVEL (DIPSTICK) | 80 |
| Y | 9Y-2187 | 1 | GEAR GP-REAR | 50 |
| Y | 100-2879 | 1 | HOUSING GP-FLYWHEEL | 52 |
| Y | 161-8414 | 1 | HOUSING GP-FRONT | 56 |
| Y | 200-1302 | 1 | LIFTING GP-ENGINE | 59 |
| Y | 160-5569 | 1 | LIFTING GP-ENGINE | 58 |
| Y | 156-8543 | 1 | LINES GP-AIR | 149 |
| Y | 4W-3821 | 1 | LINES GP-ENGINE OIL | 82 |
| Y | 161-1507 | 1 | LINES GP-FUEL | 180 |
| Y | 156-8544 | 1 | LINES GP-TURBOCHARGER OIL | 84 |
| Y | 160-4934 | 1 | LINES GP-WATER | 110 |
| Y | 161-2427 | 1 | LINES GP-WATER | 112 |
| Y | 167-0114 | 1 | LINES GP-WATER | 116 |
| Y | 157-7087 | 1 | MANIFOLD GP-EXHAUST | 151 |
| Y | 160-0569 | 1 | MOUNTING GP-ALTERNATOR | 60 |
| Y | 170-4674 | 1 | MOUNTING GP-FAN DRIVE | 61 |
| Y | 107-7378 | 1 | PAN GP-OIL | 64 |
| Y | 162-2516 | 1 | PANEL GP-SOUND SUPPRESSION | 452 |
| Y | 162-1622 | 1 | PUMP GP-FUEL TRANSFER | 183 |
| Y | 100-9347 | 1 | PUMP GP-WATER | 117 |
| Y | 160-3916 | 1 | PUMP GP-WATER | 120 |
| Y | 102-7664 | 1 | SENSOR & MTG GP-PRESSURE | 258 |
| Y | 4N-2473 | 1 | SUPPORT GP-ENGINE | 69 |
| Y | 192-0542 | 1 | TRUNNION GP-ENGINE | 71 |
| Y | 161-1503 | 1 | WIRING GP-ENGINE | 286 |
| | | | | |
| | | | GASKET KITS WILL BE PROVIDED WHEN AVAILABLE | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

# 160-0566 ENGINE AR-CORE

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1000** **i01446085**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *122-1248* | 1 | BASE GP-VALVE COVER & INJ HARN | 15 |
| Y | *185-9699* | 1 | CAMSHAFT GP | 18 |
| Y | *4N-0741* | 1 | CRANKSHAFT GP | 28 |
| Y | *146-2741* | 1 | CYLINDER BLOCK GP | 32 |
| Y | *160-7402* | 1 | CYLINDER HEAD GP | 36 |
| Y | *6I-3638* | 1 | DRIVE GP-PUMP | 173 |
| | *161-4178* | 1 | ELECTRONICS GP | |
| Y | *4P-6846* | 1 | FASTENER GP-FRONT HOUSING | 44 |
| Y | *4N-2481* | 1 | FASTENER GP-OIL PUMP MOUNTING | 73 |
| Y | *137-5921* | 1 | GEAR GP-FRONT | 48 |
| Y | *6I-1940* | 1 | MECHANISM GP-FUEL PUMP & VALVE | 182 |
| Y | *176-5745* | 6 | PISTON & ROD GP | 66 |
| YR | **161-4112** | 1 | PUMP GP-ENGINE OIL | 92 |
| Y | *128-8510* | 6 | INJECTOR GP-FUEL | 177 |
| Y | *183-6925* | 1 | TURBOCHARGER GP | 165 |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

# *159-5908* INSTALLATION AR-ENGINE

**S/N: AKA1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-1000** **i01387928**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *161-2430* | 1 | AIR CLEANER GP | 144 |
| Y | *172-0335* | 1 | ALTERNATOR GP-CHARGING | 197 |
| Y | *161-2435* | 1 | BELT TIGHTENER GP | 16 |
| Y | *109-9677* | 1 | COOLER GP-HYDRAULIC OIL | 555 |
| Y | *159-9429* | 1 | DRIVE GP-FAN | 42 |
| Y | *122-3347* | 1 | DUST EJECTOR GP | 147 |
| Y | *160-7005* | 1 | FAN GP-BLOWER | 102 |
| Y | *161-2428* | 1 | FUMES DISPOSAL GP | 78 |
| Y | *161-2431* | 1 | LINES GP-AIR | 150 |
| Y | *167-0113* | 1 | LINES GP-WATER | 114 |
| Y | *164-2553* | 1 | MOUNTING GP-AIR CLEANER | 152 |
| Y | *156-8539* | 1 | MUFFLER GP | 153 |
| | **5P-8502** | 2 | PADLOCK GP | |
| | | | (EACH INCLUDES) | |
| A | **5P-8500** | 1 | KEY | |
| A | **8Y-6364** | 1 | SLEEVE | |
| Y | *161-2424* | 1 | RADIATOR GP | 128 |
| Y | *186-3720* | 1 | SHIELD GP-EXHAUST | 161 |
| Y | *159-6160* | 1 | STARTING AID GP-ETHER | 274 |
| Y | *186-0067* | 1 | STARTING MOTOR GP-ELECTRIC | 279 |
| Y | *9Y-8837* | 1 | SUPPORT GP-ENGINE | 70 |
| Y | *171-1283* | 1 | TANK GP-WATER | 138 |

A-NOT PART OF THIS GROUP
Y-SEPARATE ILLUSTRATION

# *122-1248* BASE GP-VALVE COVER & INJ HARN

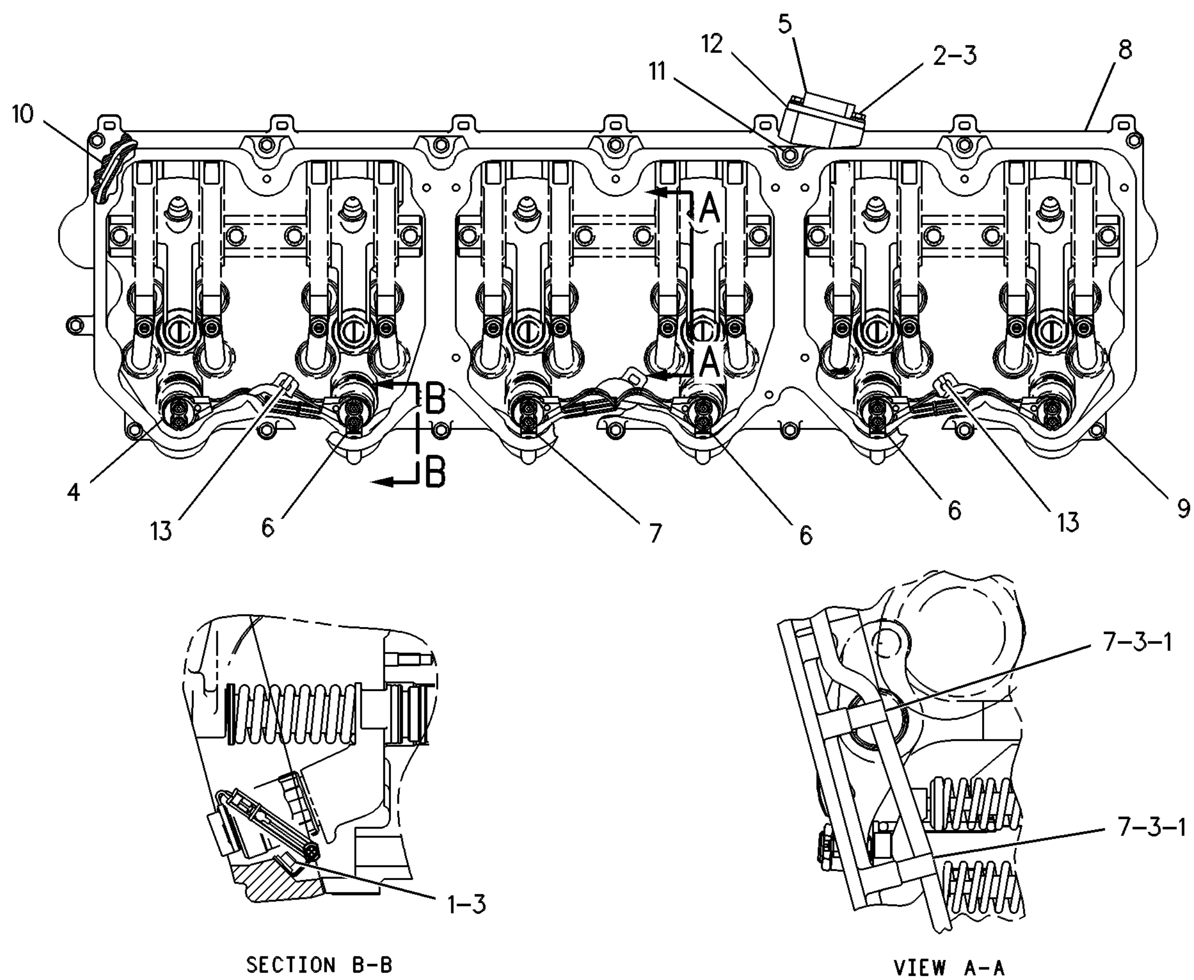
**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1120, 1408** **i01446097**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8H-3127** | 6 | BOLT (1/4-20X3/4 IN) | |
| | 2 | 1 | **4F-7957** | 2 | BOLT (1/4-20X.875 IN) | |
| | 3 | 1 | **5P-0537** | 8 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 4 | 1 | **7E-6508** | 6 | CAP AS | |
| | 5 | 1 | **122-1486** | 1 | HARNESS AS-WIRING | |
| | 6 | 1 | **100-5218** | 3 | CLIP | |
| | 7 | 1 | **100-5219** | 3 | CLIP | |
| | 8 | 1 | **177-4152** | 1 | BASE-VALVE COVER | |
| | 9 | 1 | **9L-8925** | 14 | BOLT (5/16-18X1.25IN) | |
| D | 10 | 1 | **5P-5678** | | SEAL (2.9M) | |
| | 11 | 1 | **122-1472** | 1 | BOLT | |
| | 12 | 1 | **6V-0128** | 1 | SEAL-CONNECTOR | |
| | 13 | 1 | **123-3202** | 2 | STRAP-CABLE | |

D-ORDER BY THE METER




GRAPHIC #1

g00257337

# *161-2435* BELT TIGHTENER GP

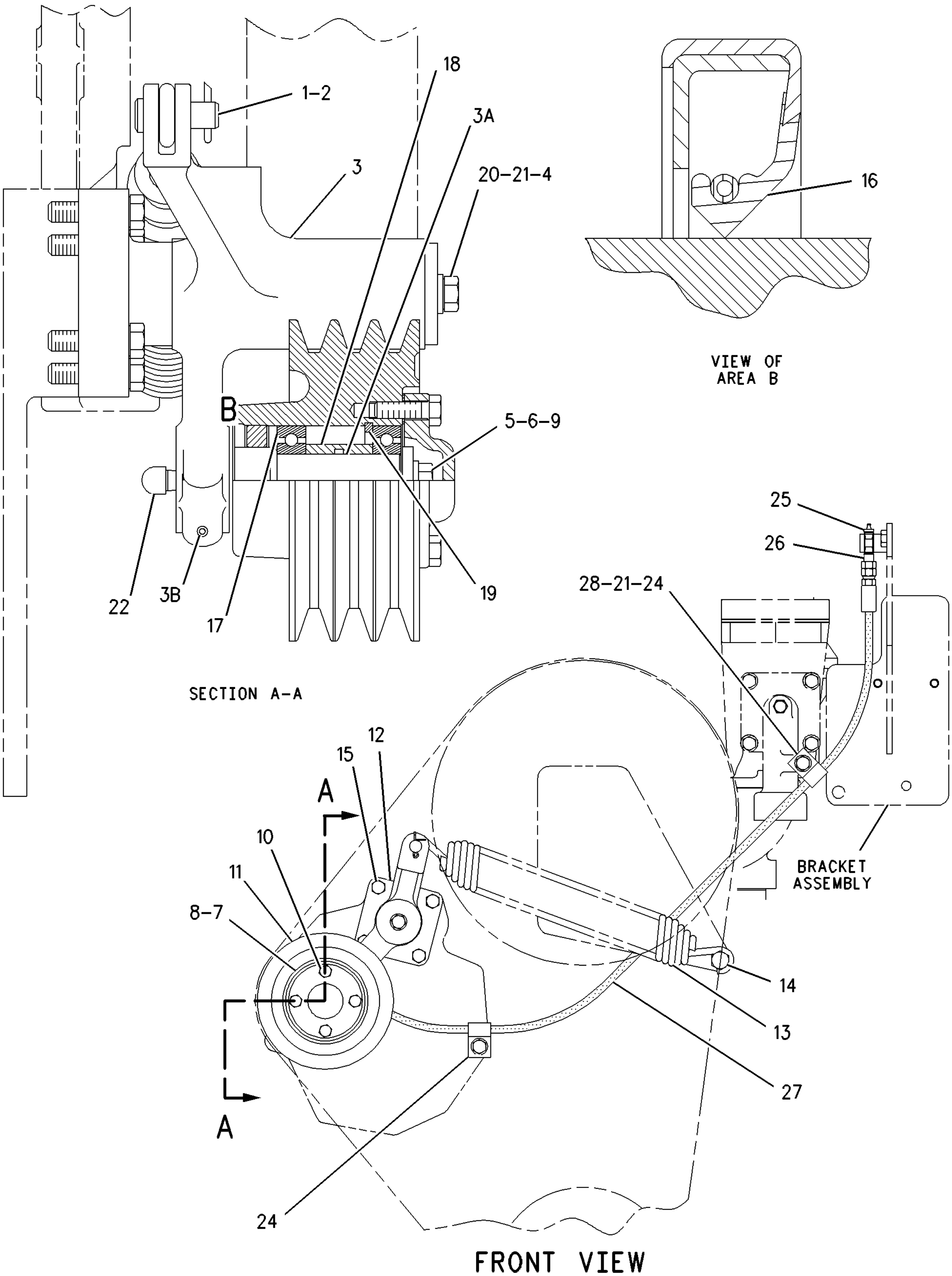
S/N: AKA1-UP

PART OF 159-5908 INSTALLATION AR-ENGINE

SMCS-1358 i01392387

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0S-0175** | 1 | PIN-CLEVIS | |
| | 2 | 1 | **3B-4617** | 1 | COTTER | |
| | 3 | 1 | **2W-2169** | 1 | ARM AS-BELT | |
| | | 1 | **4S-5367** | 1 | BUSHING AS | |
| | 3A | 1 | **2S-6196** | 1 | SHAFT-PULLEY | |
| | 3B | 1 | **4N-0955** | 1 | DOWEL | |
| | 4 | 1 | **2M-2742** | 1 | PLATE-RETAINER | |
| | 5 | 1 | **0L-1351** | 1 | BOLT (3/8-16X.875 IN) | |
| | 6 | 1 | **5M-2894** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 7 | 1 | **2S-6151** | 1 | GASKET | |
| | 8 | 1 | **2S-6150** | 1 | COVER-PULLEY | |
| | 9 | 1 | **2S-6160** | 1 | WASHER-HARD (10.2X32X5MM THK) | |
| | 10 | 1 | **4M-6425** | 4 | BOLT (5/16-18X1 IN) | |
| | 11 | 1 | **4N-2697** | 1 | PULLEY-TIGHTENER | |
| | 12 | 1 | **4N-2690** | 1 | SHAFT AS | |
| | | 1 | **4N-0955** | 1 | DOWEL | |
| | 13 | 1 | **7N-5959** | 1 | SPRING | |
| | 14 | 1 | **2W-3376** | 1 | SCREW | |
| | 15 | 1 | **4L-9337** | 4 | BOLT (3/8-16X1.5 IN) | |
| | 16 | 1 | **5M-9735** | 1 | SEAL-LIP | |
| | 17 | 1 | **6B-1124** | 2 | BALL BEARING | |
| | 18 | 1 | **1S-8687** | 1 | SPACER | |
| | 19 | 1 | **8B-2327** | 1 | RING-RETAINING | |
| | 20 | 1 | **5S-7379** | 1 | BOLT (3/8-16X.875 IN) | |
| | 21 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 22 | 1 | **3B-6552** | 1 | ELBOW | |
| | 24 | 1 | **5P-9297** | 2 | CLIP | |
| | 25 | 1 | **3B-8489** | 1 | FITTING-GREASE | |
| | 26 | 1 | **8L-6557** | 1 | CONNECTOR | |
| | 27 | 1 | **9G-0682** | 1 | HOSE AS | |
| | 28 | 1 | **5M-3062** | 1 | BOLT (3/8-16X.75 IN) | |

*161-2435* **BELT TIGHTENER GP** ***(contd.)*** **i01392387**




GRAPHIC #1 g00749134

# *185-9699* CAMSHAFT GP

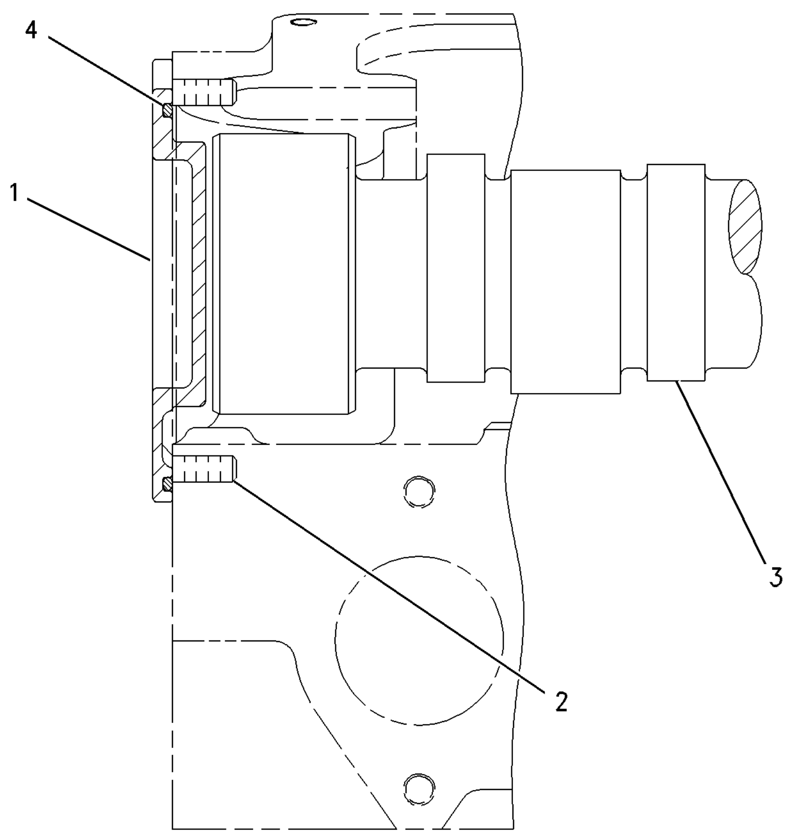
**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1210, 1211, 1212** i01446110

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-9089** | 1 | COVER | |
| | 2 | 1 | **119-0036** | 3 | SCREW-FLAT HEAD | |
| R | 3 | 1 | **185-6349** | 1 | CAMSHAFT | |
| | 4 | 1 | **6V-1197** | 1 | SEAL-O-RING (98.02MM ID) | |

R-REMFG PART MAY BE AVAILABLE




RIGHT SIDE VIEW

GRAPHIC #1 g00687973

# *107-6737* COVER GP-CYLINDER BLOCK

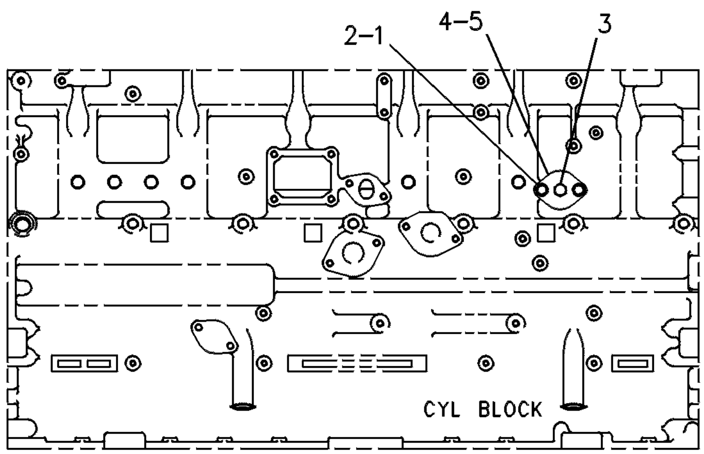
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**FOR USE WITH LOW OR MID MOUNTED TURBO LOCATION OR BRAKESAVER. CANNOT BE USED WITH RIGHT HAND OIL FILLER**

**SMCS-1201** **i01444687**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 2 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 3 | 1 | **8T-6767** | 1 | PLUG-PIPE | |
| | 4 | 1 | **4N-0699** | 1 | GASKET | |
| | 5 | 1 | **9L-1937** | 1 | FLANGE | |




LEFT SIDE VIEW

GRAPHIC #1 g00237922

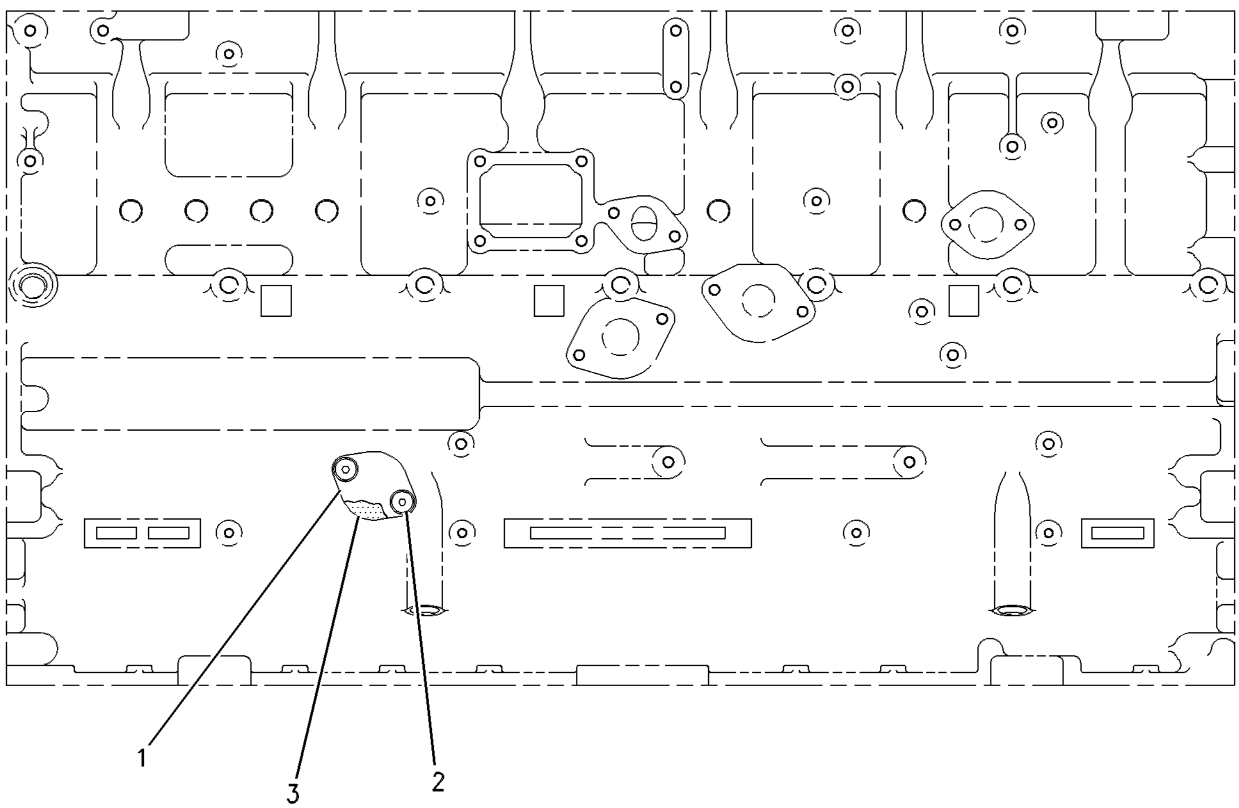
# *170-4672* COVER GP-CYLINDER BLOCK

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1201** **i01439894**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7W-5444** | 1 | COVER | |
| | 2 | 1 | **030-7571** | 2 | BOLT (3/8-16X1.0IN) | |
| | 3 | 1 | **4N-0699** | 1 | GASKET | |




RIGHT SIDE VIEW

GRAPHIC #1 g00661276

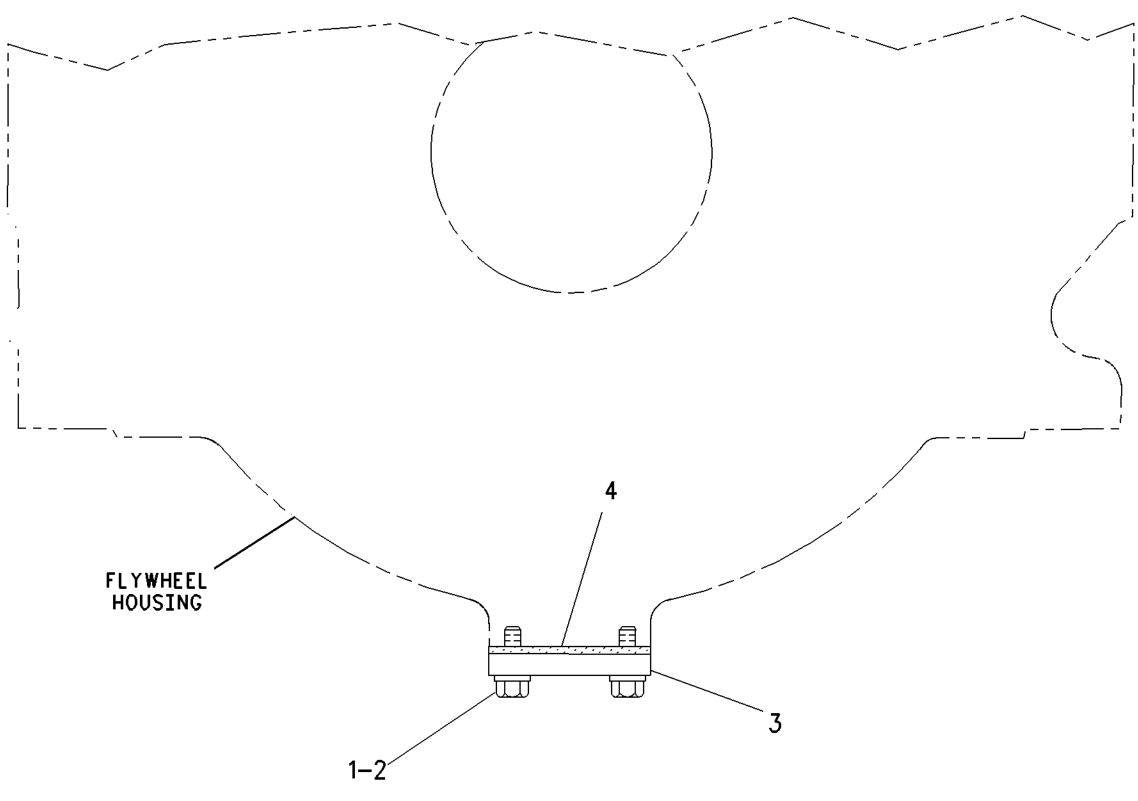
# *1W-8341* COVER GP-FLYWHEEL HOUSING

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1157** **i01370591**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 2 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 3 | 1 | **1M-0130** | 1 | COVER | |
| | 4 | 1 | **4M-6480** | 1 | GASKET | |




GRAPHIC #1 g00728617

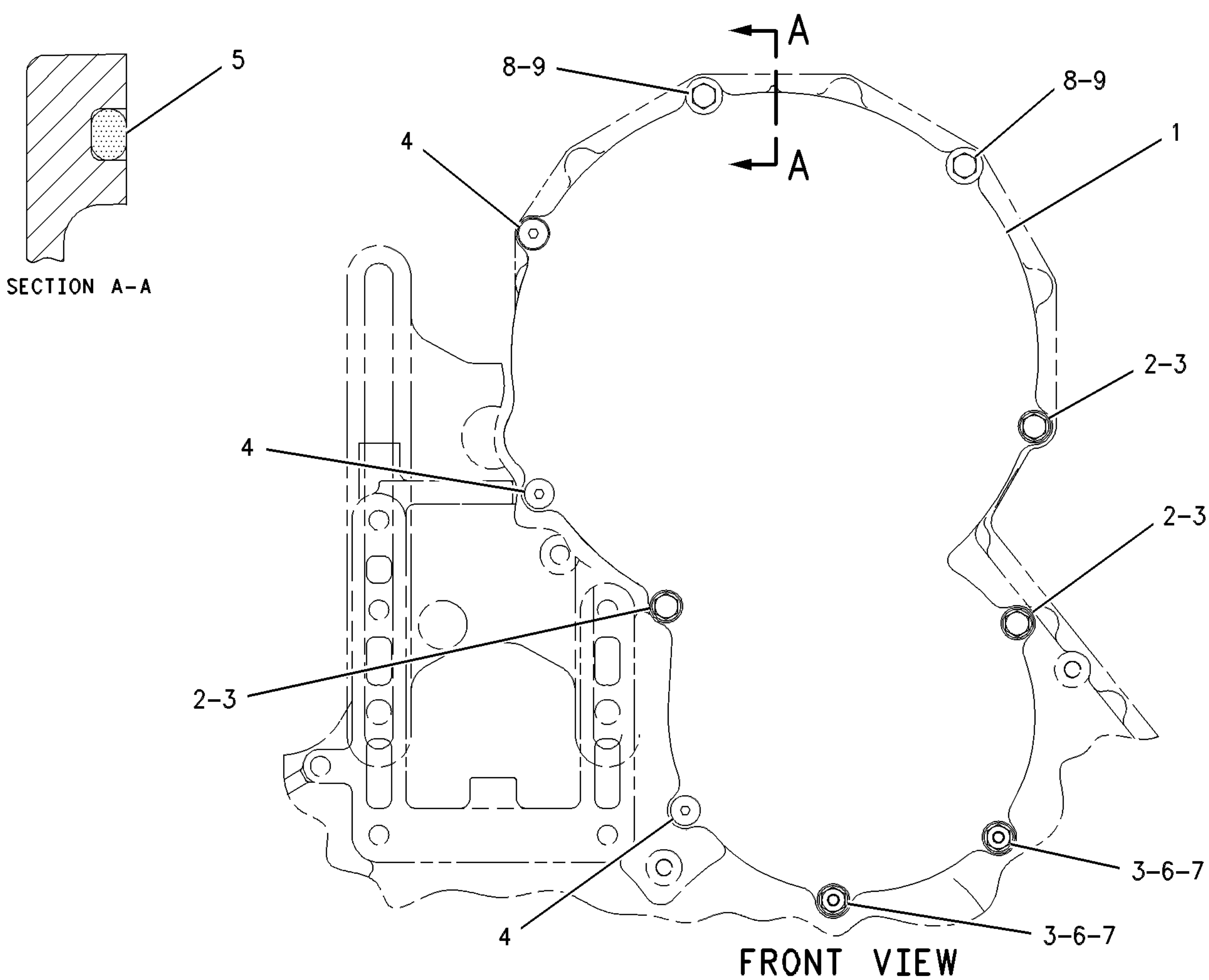
## *150-4278* COVER GP-FRONT HOUSING

**S/N: BET1-UP**

**PART OF 157-7195 ENGINE AR-COMPLETE**

**SMCS-1151, 1162, 1166** **i01444797**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **146-2601** | 1 | COVER | |
| | 2 | 1 | **2B-2695** | 3 | BOLT (5/16-18X0.875 IN) | |
| | 3 | 1 | **9M-1974** | 5 | WASHER-HARD (8.8X16X2MM THK) | |
| | 4 | 1 | **146-8438** | 3 | SCREW-BUTTON HEAD | |
| | 5 | 1 | **103-6045** | 1 | SEAL-ACCESSORY COVER | |
| | 6 | 1 | **5S-0003** | 2 | NUT (5/16-18 THD) | |
| | 7 | 1 | **3K-6175** | 2 | STUD | |
| | 8 | 1 | **4B-3388** | 2 | BOLT (5/16-18X1.125 IN) | |
| | 9 | 1 | **3E-4352** | 2 | WASHER-HARD (8.8X20.5X2.5MM THK) | |




GRAPHIC #1 g00311762

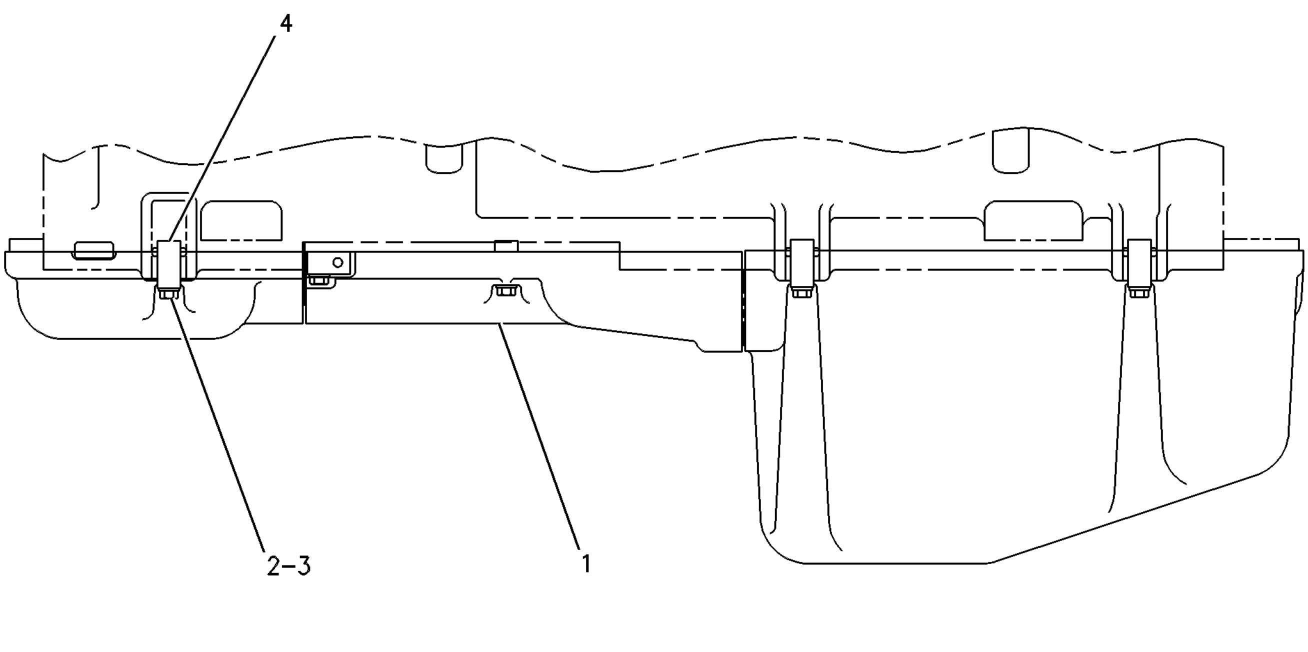
## *104-4825* COVER GP-SOUND SUPPRESSION

**S/N: BET1-UP**

**PART OF 157-7196 ENGINE AR-COMPLETE**

**SMCS-1801** **i01230993**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **104-4820** | 1 | PANEL AS-SOUND SUPPRESSION | |
| | | 1 | **9N-6108** | 8 | SPACER | |
| | 2 | 1 | **0L-1143** | 8 | BOLT (3/8-16X2.50IN) | |
| | 3 | 1 | **5M-2894** | 8 | WASHER (2.5MM THK) | |
| | 4 | 1 | **100-4853** | 6 | BRACKET | |




GRAPHIC #1

g00249593

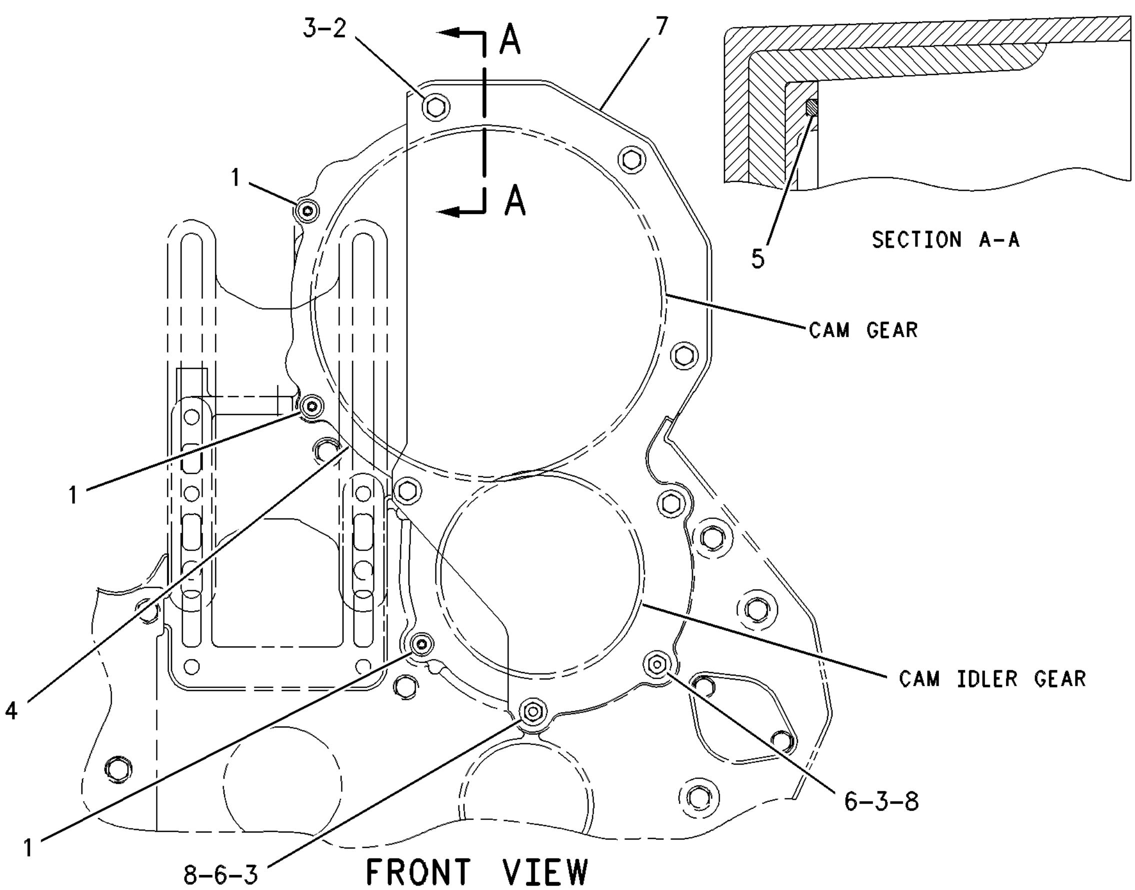
## *161-8400* COVER GP-SOUND SUPPRESSION

**S/N: BET1-UP**

**PART OF 157-7196 ENGINE AR-COMPLETE**

**SMCS-1801** **i01448339**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **146-8438** | 3 | SCREW-BUTTON HEAD | |
| | 2 | 1 | **1A-9579** | 5 | BOLT (5/16-18X1.5 IN) | |
| | 3 | 1 | **5P-4116** | 7 | WASHER-HARD (8.8X20.5X2MM THK) | |
| | 4 | 1 | **146-2601** | 1 | COVER | |
| | 5 | 1 | **103-6045** | 1 | SEAL-ACCESSORY COVER | |
| | 6 | 1 | **5S-0003** | 2 | NUT (5/16-18 THD) | |
| | 7 | 1 | **161-8399** | 1 | COVER AS-SOUND SUPPRESSION | |
| | 8 | 1 | **008-1430** | 2 | STUD | |




GRAPHIC #1 g00662431

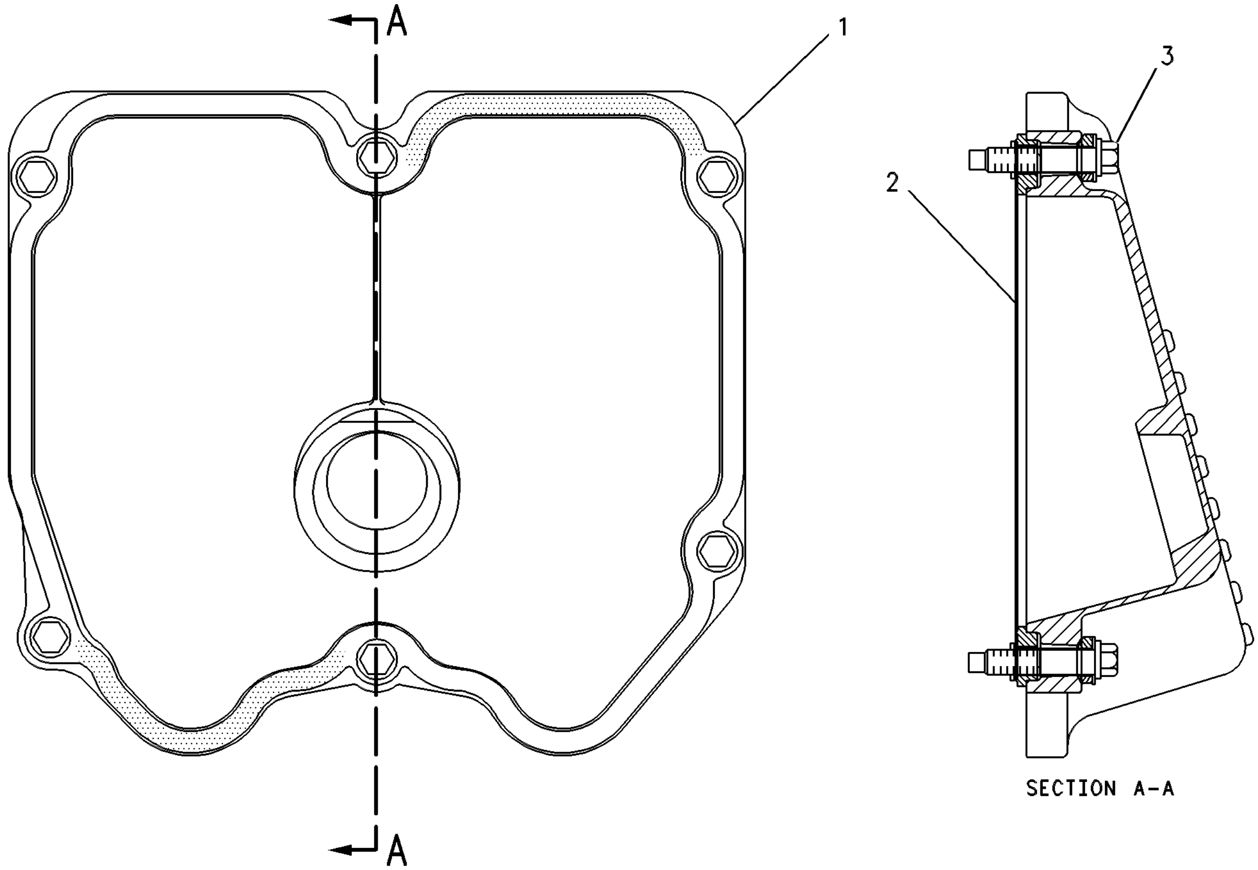
# *150-3135* COVER GP-VALVE MECHANISM

S/N: BET1-UP

PART OF 160-7451 COVER GP-VALVE MECHANISM

SMCS-1107, 1120 i01444965

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **150-2557** | 1 | COVER-VALVE MECH | |
| | 2 | 1 | **172-8027** | 1 | SEAL | |
| | 3 | 1 | **173-2390** | 6 | FASTENER AS | |




GRAPHIC #1 g00620207

# *160-7451* COVER GP-VALVE MECHANISM

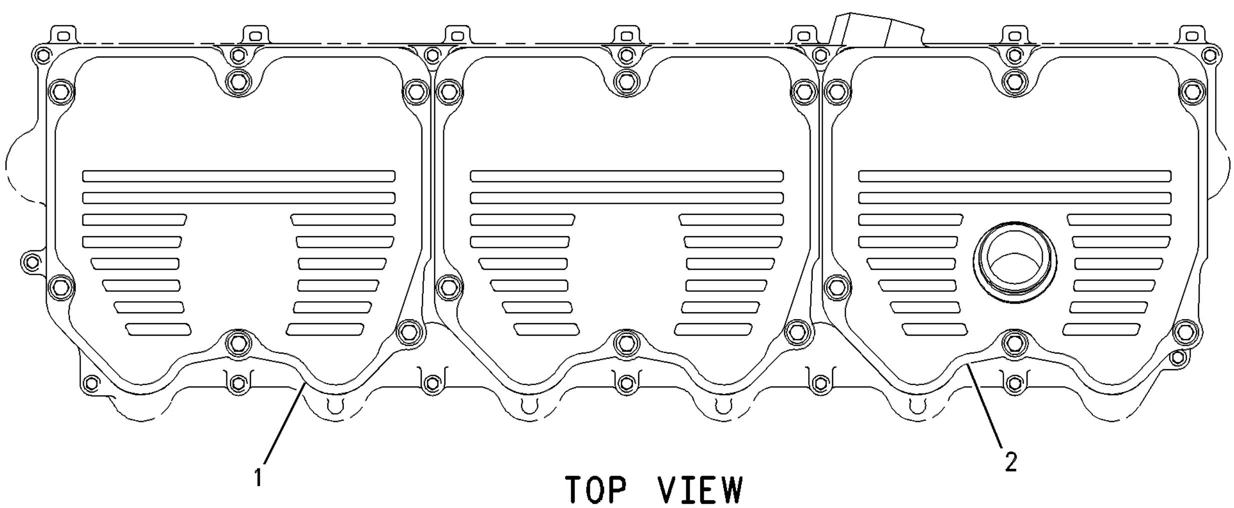
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1107, 1120** **i01444964**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *150-3135* | 2 | COVER GP-VALVE MECHANISM | 25 |
| Y | 2 | 1 | *160-7452* | 1 | COVER GP-VALVE MECHANISM | 27 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00536600

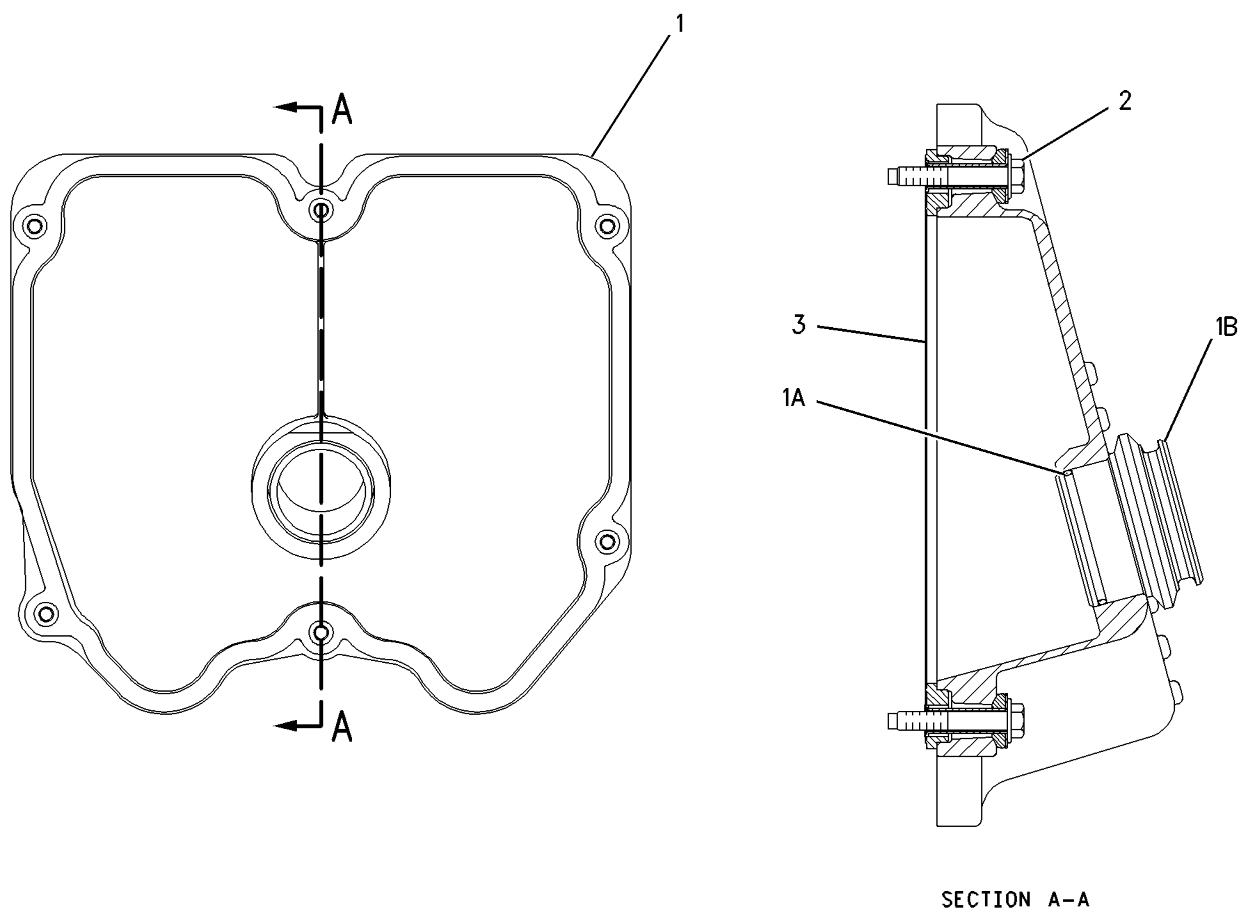
# *160-7452* COVER GP-VALVE MECHANISM

**S/N: BET1-UP**

**PART OF 160-7451 COVER GP-VALVE MECHANISM**

**SMCS-1107, 1120** **i01444969**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **150-3136** | 1 | COVER AS-VALVE MECHANISM | |
| | 1A | 1 | **6V-5100** | 1 | SEAL-O-RING (53.64MM ID) | |
| | 1B | 1 | **7C-6514** | 1 | ADAPTER | |
| | 2 | 1 | **173-2390** | 6 | FASTENER AS | |
| | 3 | 1 | **172-8027** | 1 | SEAL | |




GRAPHIC #1 g00632472

## *4N-0741* CRANKSHAFT GP

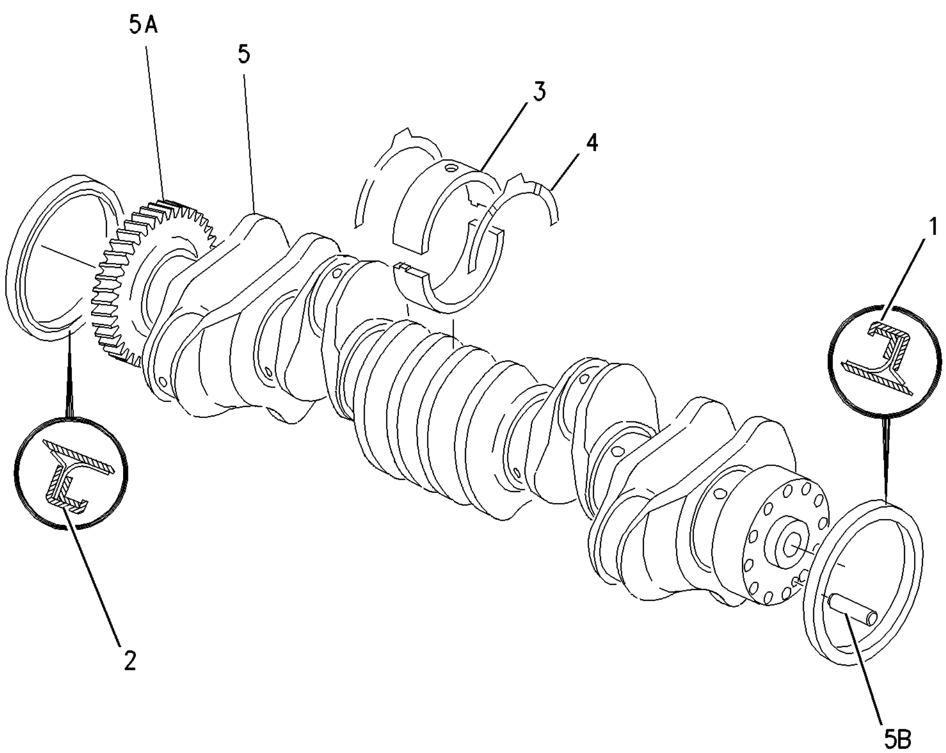
**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1202, 1203, 1204, 1230, 1231, 1232** **i01502183**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2W-1734** | 1 | SEAL GP-CRANKSHAFT | |
| | 2 | 1 | **2W-1733** | 1 | SEAL GP-CRANKSHAFT | |
| | 3 | 1 | **4W-5492** | 7 | BEARING-MAIN (STANDARD) | |
| A | | 1 | **4W-5698** | 7 | BEARING-MAIN (.025IN US) | |
| A | | 1 | **4W-5699** | 7 | BEARING-MAIN (.050IN US) | |
| A | | 1 | **4W-5700** | 7 | BEARING-MAIN (.025IN OS) | |
| A | | 1 | **4W-5701** | 7 | BEARING-MAIN (.025IN US,.025IN OS) | |
| | 4 | 1 | **7E-9262** | 2 | PLATE-THRUST | |
| R | 5 | 1 | **6I-1453** | 1 | CRANKSHAFT AS | |
| | 5A | 1 | **1W-9302** | 1 | GEAR-CRANKSHAFT (80 TEETH) | |
| | | 1 | **7S-5005** | 1 | DOWEL | |
| | 5B | 1 | **4N-0684** | 1 | DOWEL | |

A-NOT PART OF THIS GROUP
R-REMFG PART MAY BE AVAILABLE




GRAPHIC #1

g00725396

## *137-8467* CYLINDER BLOCK AS

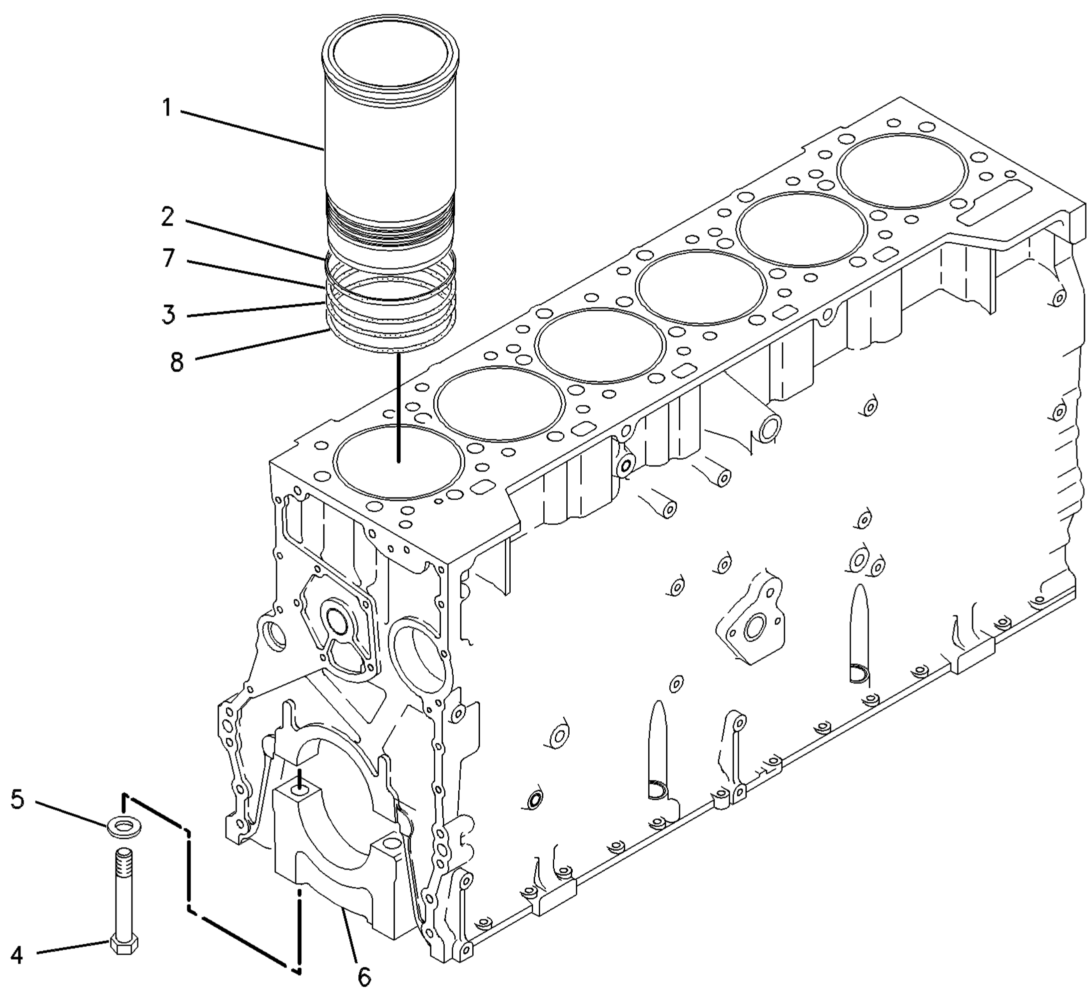
**S/N: BET1-UP**

**PART OF 146-2741 CYLINDER BLOCK GP**

**SMCS-1117, 1201, 1211, 1216, 1217, 1221, 1222, 1223, 1224, 1238, 1239, 1240, 1331**

**i01447423**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2W-6000** | 6 | LINER-CYLINDER | |
| | 2 | 1 | **9L-5854** | 6 | BAND-FILLER (5.125MM ID) | |
| | 3 | 1 | **110-2220** | 6 | SEAL-LINER (141MM ID) | |
| | 4 | 1 | **3P-1323** | 14 | BOLT (BEARING CAP) | |
| | 5 | 1 | **9H-1031** | 14 | WASHER-HARD (24X41.5X6MM THK) | |
| | 6 | 1 | **4N-5857** | 7 | CAP-CRANKSHAFT BEARING | |
| | 7 | 1 | **142-7072** | 6 | SEAL-LINER (140.20MM ID) | |
| | 8 | 1 | **142-6217** | 6 | SEAL-LINER (140.20MM ID) | |




GRAPHIC #1

g00501345

# BASIC ENGINE

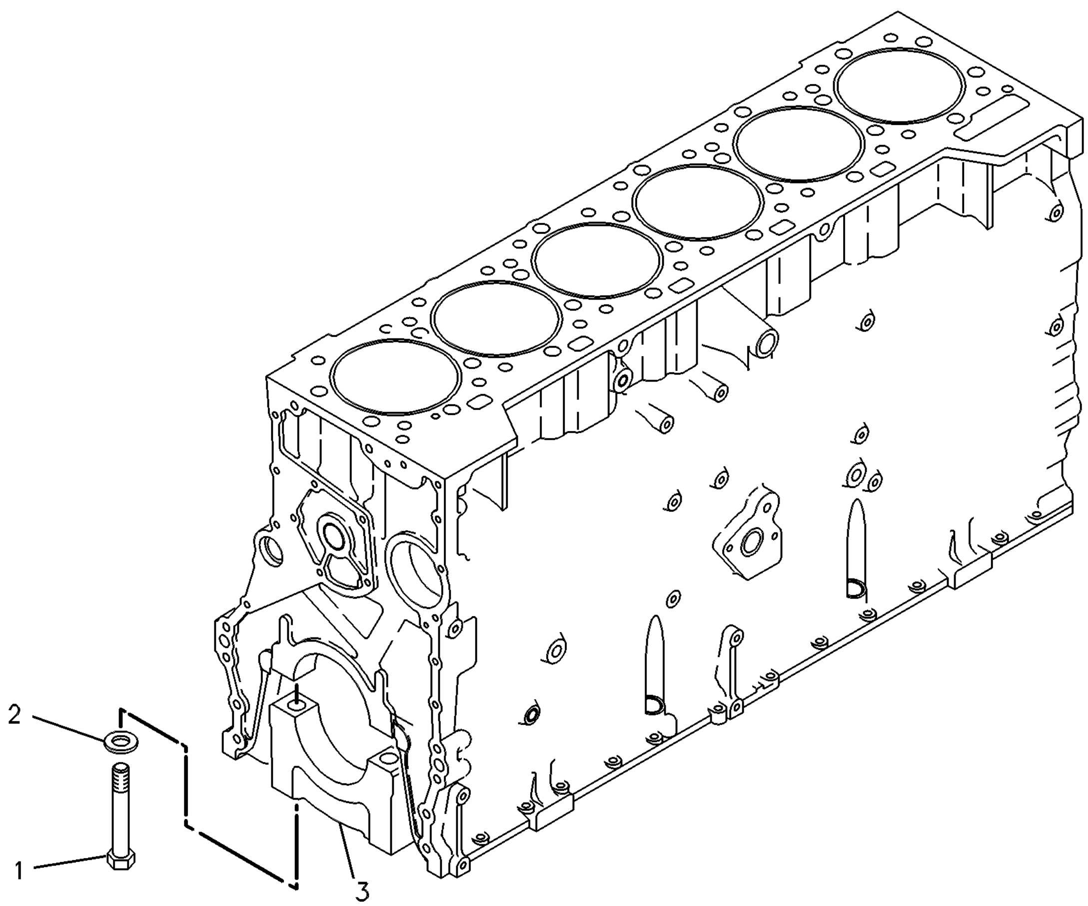
## *137-8468* CYLINDER BLOCK AS

S/N: BET1-UP

PART OF 137-8469 CYLINDER BLOCK GP

SMCS-1117, 1201, 1211, 1216, 1217, 1221, 1222, 1223, 1224, 1238, 1239, 1240, 1331 i01501396

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3P-1323** | 14 | BOLT (BEARING CAP) | |
| | 2 | 1 | **9H-1031** | 14 | WASHER-HARD (24X41.5X6MM THK) | |
| | 3 | 1 | **4N-5857** | 7 | CAP-CRANKSHAFT BEARING | |




GRAPHIC #1 g00265763

# *137-8469* CYLINDER BLOCK GP

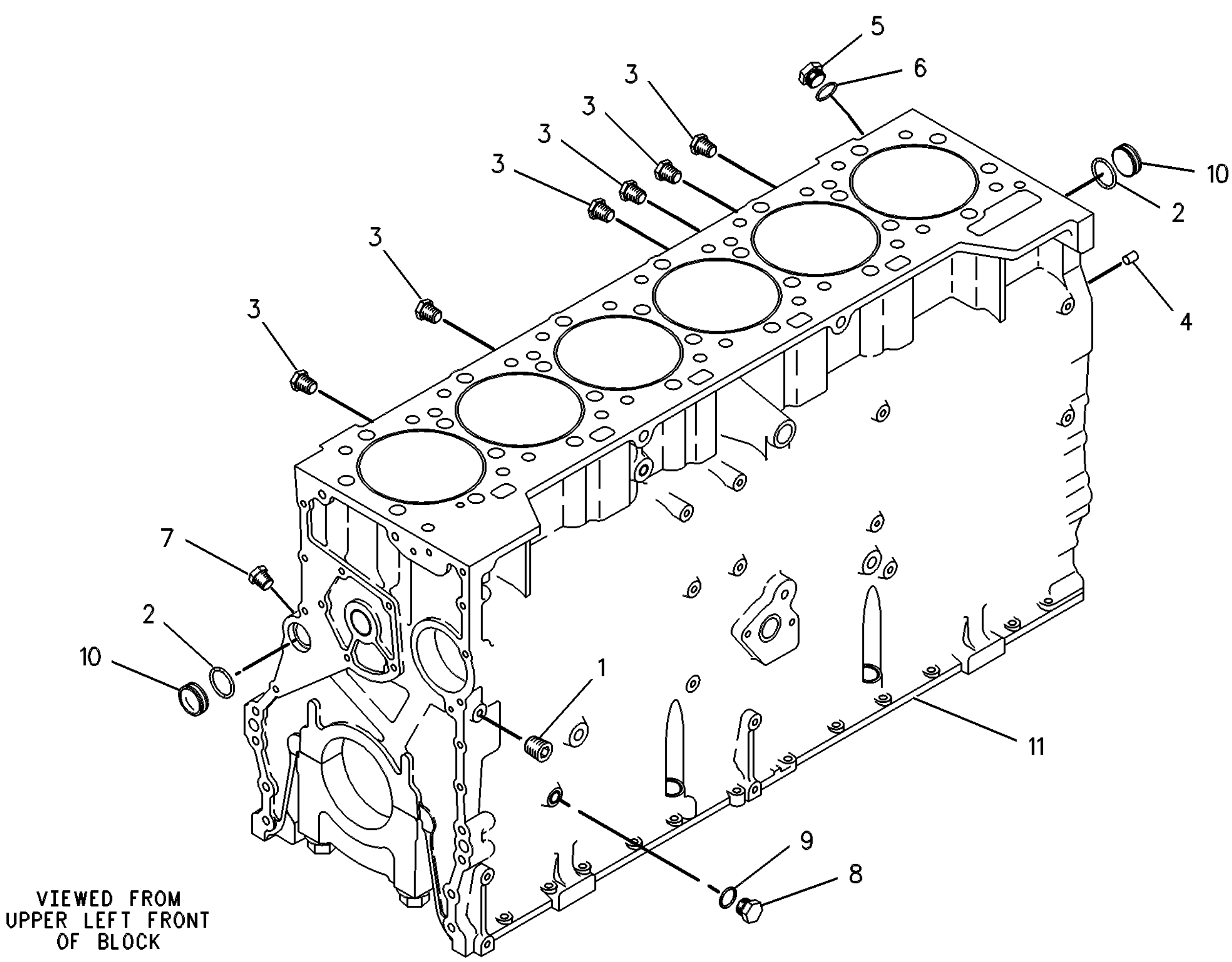
**S/N: BET1-UP**

**FIELD REPLACEMENT FOR 146-2741—PAGE 32**

**SMCS-1201** **i01501367**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8T-6757** | 1 | PLUG-PIPE | |
| | 2 | 1 | **3E-6747** | 2 | SEAL-O-RING | |
| | 3 | 1 | **7W-6492** | 4 | PLUG-PIPE | |
| | 4 | 1 | **8S-9094** | 1 | PLUG-ORIFICE | |
| | 5 | 1 | **9S-4190** | 1 | PLUG-O-RING | |
| | 6 | 1 | **114-4427** | 1 | SEAL-O-RING | |
| | 7 | 1 | **7X-7732** | 6 | PLUG-PIPE | |
| | 8 | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| | 9 | 1 | **9X-7378** | 1 | SEAL-O-RING | |
| | 10 | 1 | **100-7399** | 2 | PLUG | |
| Y | 11 | 1 | *137-8468* | 1 | CYLINDER BLOCK AS | 30 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00265762

# *146-2741* CYLINDER BLOCK GP

**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

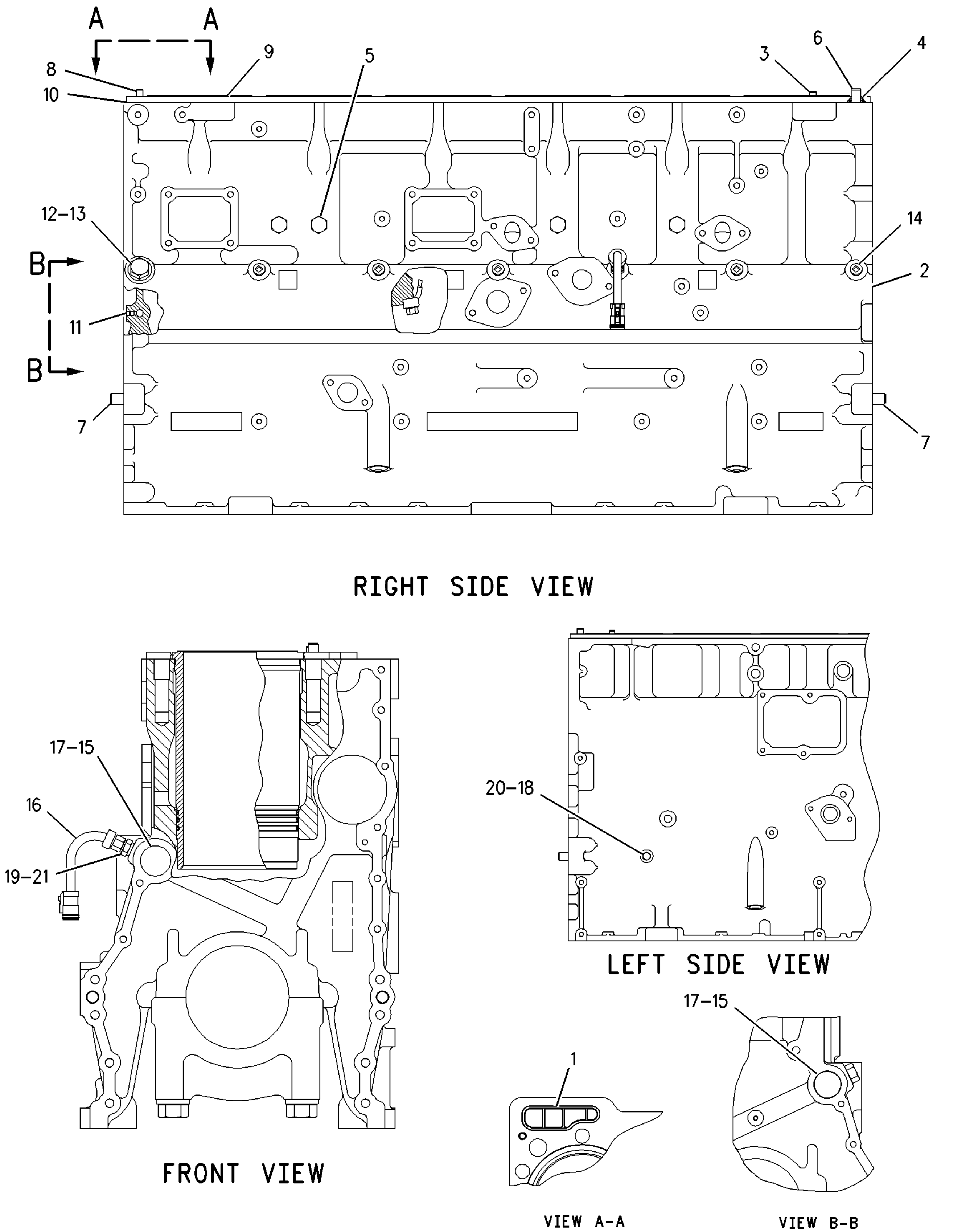
**FIELD REPLACEMENT ORDER 137-8469—PAGE 31**

**SMCS-1201** **i01447417**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **142-2329** | 1 | SEAL-DRAINBACK | |
| Y | 2 | 1 | **137-8467** | 1 | CYLINDER BLOCK AS | 29 |
| | 3 | 1 | **1S-9540** | 1 | DOWEL (30.23 MM X 9.37 MM) | |
| | 4 | 1 | **5P-0840** | 1 | SEAL-O-RING (12.29MM ID) | |
| | 5 | 1 | **7W-6492** | 4 | PLUG-PIPE (1/2-14 NPTF) | |
| | 6 | 1 | **6I-1055** | 1 | DOWEL | |
| | 7 | 1 | **4N-0683** | 4 | DOWEL | |
| | 8 | 1 | **4N-1650** | 1 | DOWEL (1.25 IN LG X.376 DIA) | |
| | 9 | 1 | **6I-4421** | 1 | PLATE-SPACER | |
| | 10 | 1 | **180-5734** | 1 | GASKET-PLATE | |
| | 11 | 1 | **8S-9094** | 1 | PLUG-ORIFICE | |
| | 12 | 1 | **9S-4190** | 1 | PLUG-O-RING | |
| | 13 | 1 | **114-4427** | 1 | SEAL-O-RING (19.18MM ID) | |
| | 14 | 1 | **7X-7732** | 5 | PLUG-PIPE | |
| | 15 | 1 | **3E-6747** | 2 | SEAL-O-RING (32.99MM ID) | |
| Y | 16 | 1 | **161-9931** | 1 | SENSOR GP-PRESSURE (OIL) | 265 |
| | 17 | 1 | **100-7399** | 2 | PLUG | |
| | 18 | 1 | **9X-7378** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 19 | 1 | **6V-5048** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 20 | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| | 21 | 1 | **3E-7448** | 1 | CONNECTOR | |

Y-SEPARATE ILLUSTRATION

*146-2741* **CYLINDER BLOCK GP** ***(contd.)*** **i01447417**




GRAPHIC #1

g00752462

# *176-9918* CYLINDER HEAD AS*R

**S/N: BET1-UP**

**PART OF 183-5296 CYLINDER HEAD GP**

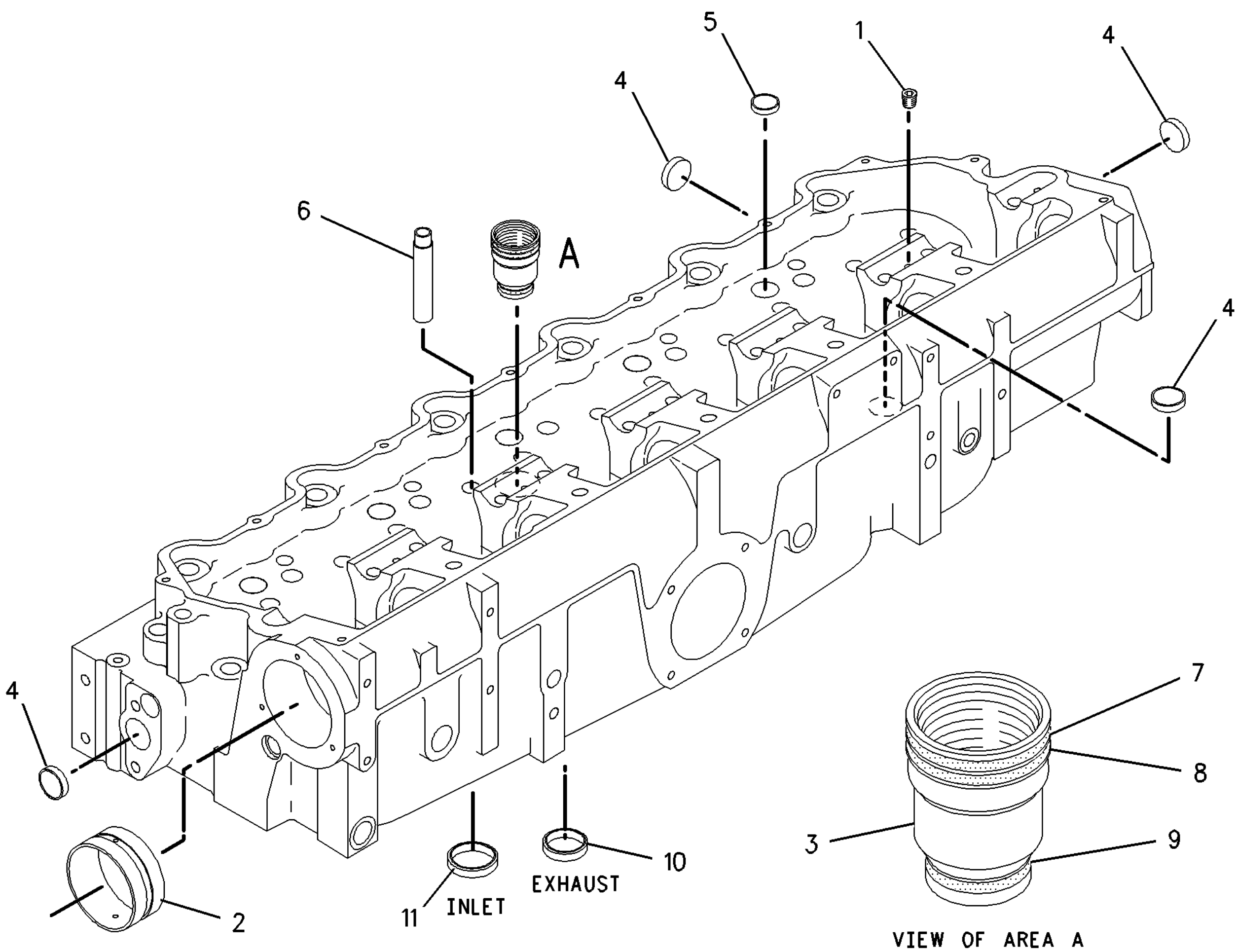
**SMCS-1100, 1101, 1103, 1104, 1105, 1106, 1108, 1109, 1115, 1117, 1121, 1124, 1125**

**i01447376**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8T-6757** | 3 | PLUG-PIPE | |
| B | 2 | 1 | **134-5251** | 7 | BEARING-CAMSHAFT (STANDARD) | |
| AB | | 1 | **150-4793** | 7 | BEARING-CAMSHAFT (0.254MM O.S.) | |
| AB | | 1 | **160-8151** | 7 | BEARING-CAMSHAFT (0.762MM O.S.) | |
| | 3 | 1 | **166-3739** | 6 | SLEEVE-INJECTOR | |
| | 4 | 1 | **3B-0645** | 20 | PLUG-CUP (32.08MM AVG OD) | |
| | 5 | 1 | **3B-0623** | 17 | PLUG-CUP (25.73MM OD) | |
| B | 6 | 1 | **122-7375** | 24 | GUIDE-VALVE (STANDARD) | |
| AB | | 1 | **122-8612** | 24 | GUIDE-VALVE (0.13 MM O.S.) | |
| AB | | 1 | **122-0447** | 24 | GUIDE-VALVE (0.51 MM O.S.) | |
| | 7 | 1 | **166-2903** | 6 | SEAL-O-RING (34.59MM ID) | |
| | 8 | 1 | **166-2904** | 6 | SEAL-O-RING (34.59MM ID) | |
| | 9 | 1 | **9X-7430** | 6 | SEAL-O-RING (25.63MM ID) | |
| B | 10 | 1 | **152-7582** | 12 | INSERT-VALVE SEAT (EXHAUST) | |
| AB | | 1 | **167-0642** | 12 | INSERT-VALVE SEAT (0.76 MM O.S.) | |
| AB | | 1 | **170-4737** | 12 | INSERT-VALVE SEAT (0.51 MM O.S.) | |
| B | 11 | 1 | **175-3617** | 12 | INSERT-VALVE SEAT (INLET) | |
| AB | | 1 | **167-0643** | 12 | INSERT-VALVE SEAT (0.76 MM O.S.) | |
| AB | | 1 | **170-4738** | 12 | INSERT-VALVE SEAT (0.51 MM O.S.) | |

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED

## *176-9918* **CYLINDER HEAD AS** *(contd.)* **i01447376**




GRAPHIC #1

g00673861

# *160-7402* CYLINDER HEAD GP

**S/N: BET1-UP**

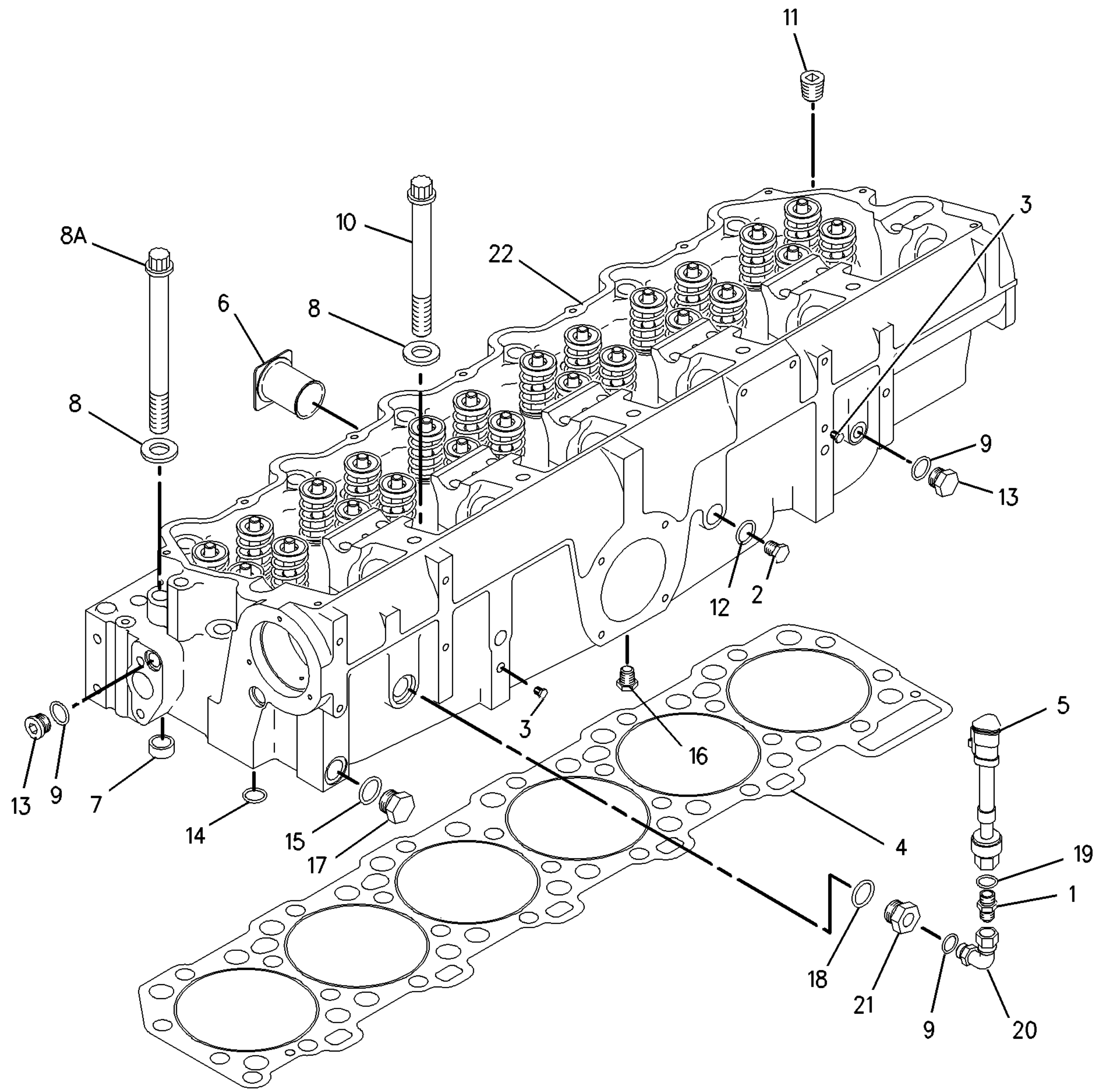
**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109, 1115, 1117, 1121, 1124, 1125** **i01447354**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **030-3978** | 1 | CONNECTOR | |
| | 2 | 1 | **9S-8005** | 1 | PLUG | |
| | 3 | 1 | **8T-6763** | 2 | PLUG-PIPE | |
| | 4 | 1 | **153-9653** | 1 | GASKET-CYLINDER HEAD | |
| Y | 5 | 1 | **161-9929** | 1 | SENSOR GP-PRESSURE (AIR) | 264 |
| | 6 | 1 | **194-8124** | 6 | SLEEVE AS (EXHAUST PORT) | |
| | 7 | 1 | **3E-6772** | 24 | SEAL-WATER | |
| | 8 | 1 | **5H-1504** | 26 | WASHER-HARD (20X33.5X5MM THK) | |
| | 8A | 1 | **124-1855** | 16 | BOLT-12 POINT HEAD (3/4-16X194MM) | |
| | 9 | 1 | **6V-5049** | 5 | SEAL-O-RING (11.89MM ID) | |
| | 10 | 1 | **124-1854** | 10 | BOLT-12 POINT HEAD (3/4-16X216MM) | |
| | 11 | 1 | **2B-0858** | 1 | PLUG-PIPE | |
| | 12 | 1 | **8L-2786** | 1 | SEAL-O-RING (16.36MM ID) | |
| | 13 | 1 | **9S-8004** | 4 | PLUG (9/16-18 THD) | |
| | 14 | 1 | **5P-0840** | 1 | SEAL-O-RING (12.29MM ID) | |
| | 15 | 1 | **6V-3251** | 1 | SEAL-O-RING (19.18MM ID) | |
| | 16 | 1 | **8T-6765** | 1 | PLUG-PIPE | |
| | 17 | 1 | **9S-4190** | 1 | PLUG-O-RING | |
| | 18 | 1 | **6V-5050** | 1 | SEAL-O-RING (23.47MM ID) | |
| | 19 | 1 | **6V-5048** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 20 | 1 | **008-6817** | 1 | ELBOW | |
| | 21 | 1 | **2P-8421** | 1 | ADAPTER-O-RING | |
| YR | 22 | 1 | **183-5296** | 1 | CYLINDER HEAD GP | 38 |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

*160-7402* **CYLINDER HEAD GP** ***(contd.)*** **i01447354**




GRAPHIC #1

g00751847

## *183-5296* CYLINDER HEAD GP*R

S/N: BET1-UP

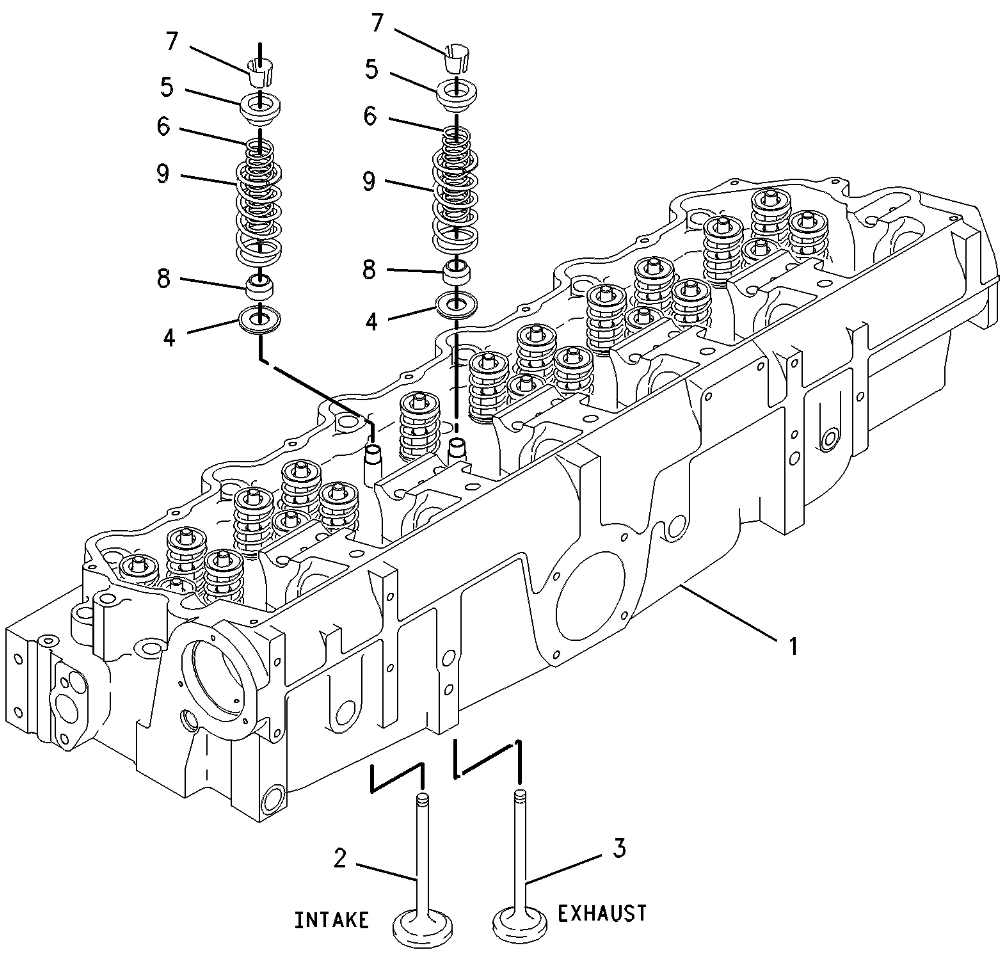
PART OF 160-7402 CYLINDER HEAD GP

SMCS-1100, 1103, 1104, 1105, 1106, 1108, 1109, 1115, 1117, 1121, 1124, 1125

i01447370

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| YR | 1 | 1 | **176-9918** | 1 | CYLINDER HEAD AS | 34 |
| | 2 | 1 | **153-7023** | 12 | VALVE-INLET | |
| | 3 | 1 | **153-7024** | 12 | VALVE-EXHAUST | |
| | 4 | 1 | **6I-0928** | 24 | WASHER | |
| | 5 | 1 | **186-2001** | 24 | ROTOCOIL AS | |
| | 6 | 1 | **175-7523** | 24 | SPRING-VALVE (INNER) | |
| | 7 | 1 | **2A-4429** | 48 | LOCK-RETAINER | |
| | 8 | 1 | **102-6229** | 24 | SEAL-VALVE STEM | |
| | 9 | 1 | **175-7526** | 24 | SPRING-VALVE (OUTER) | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00631688

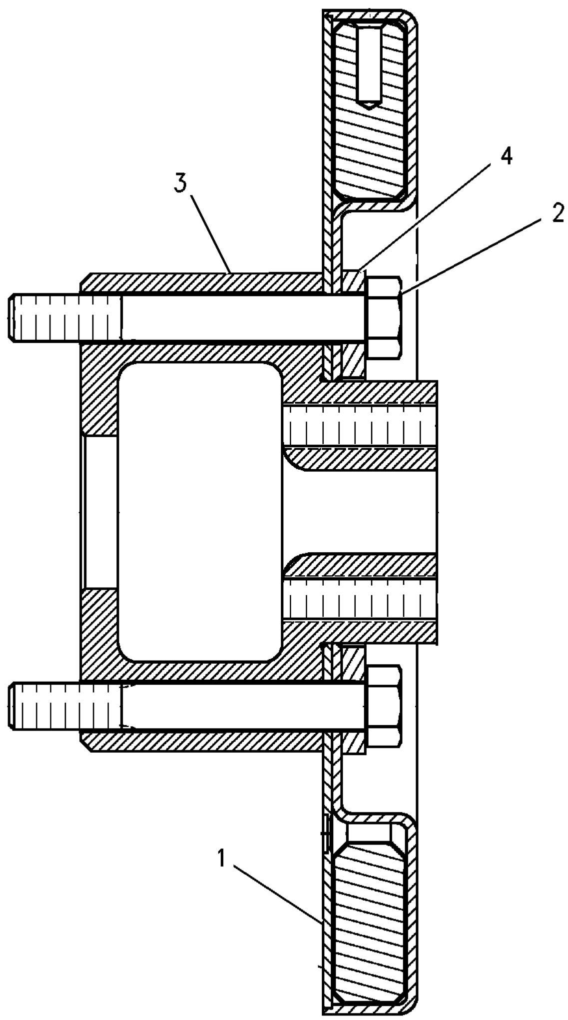
## *4P-5893* DAMPER GP

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1205** **i01502950**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **167-8126** | 1 | DAMPER AS | |
| | 2 | 1 | **1A-3203** | 6 | BOLT (5/8-18X4.75IN) | |
| | 3 | 1 | **4N-2109** | 1 | ADAPTER-DAMPER | |
| | 4 | 1 | **168-2100** | 1 | SPACER | |




GRAPHIC #1 g00643655

# *125-8523* DRIVE GP-FAN

**S/N: AKA1-UP**

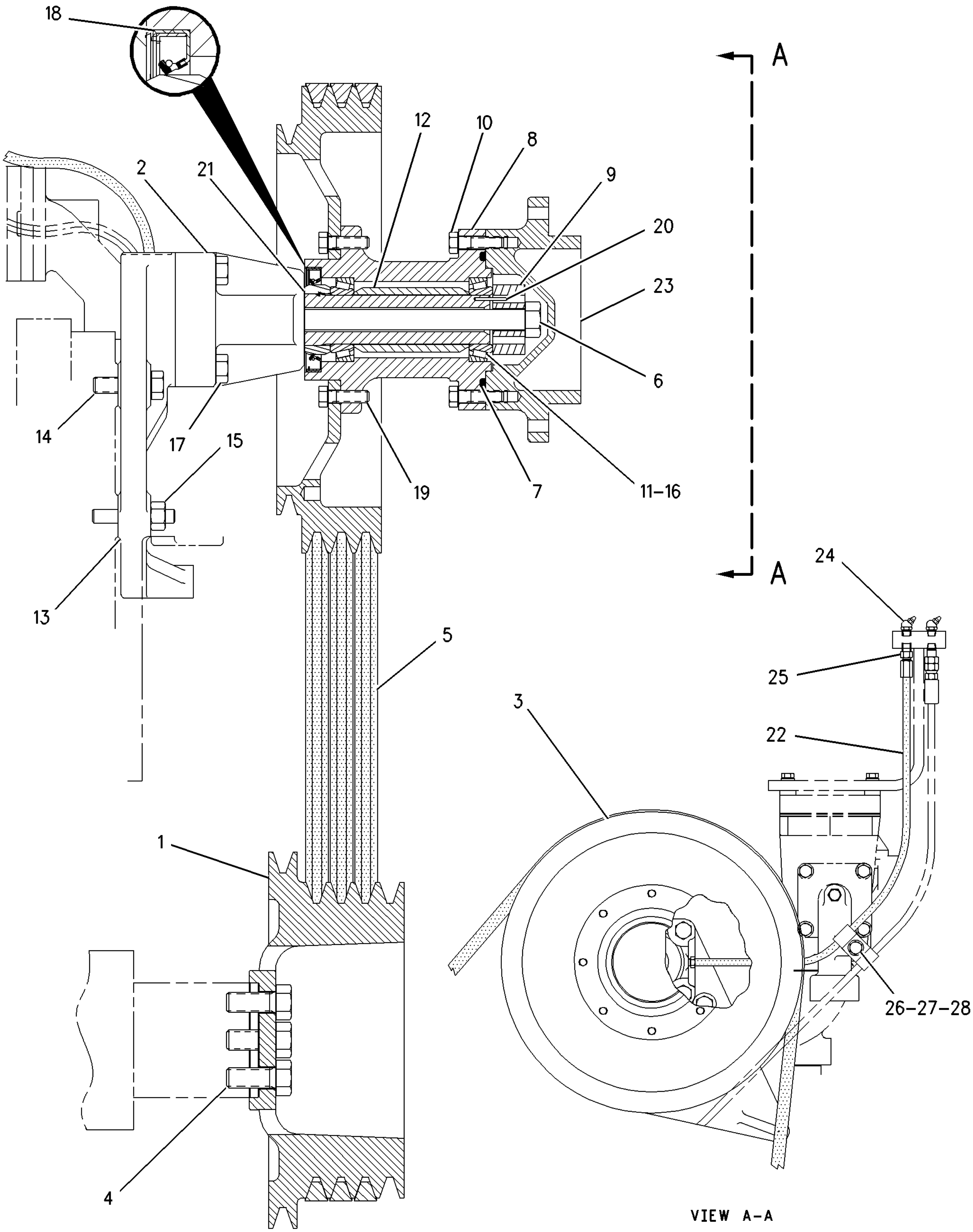
**PART OF 124-4818 FAN AR-EJECTOR**

**SMCS-1357, 1358, 1359, 1390** **i01488409**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4W-8595** | 1 | PULLEY-CRANKSHAFT | |
| | 2 | 1 | **4P-3877** | 1 | BRACKET AS-FAN | |
| | | 1 | **4P-3875** | 1 | SHAFT-FAN | |
| | 3 | 1 | **4N-8596** | 1 | PULLEY-FAN DRIVE | |
| | 4 | 1 | **0S-1566** | 4 | BOLT (5/8-11X1.5 IN) | |
| | 5 | 1 | **129-2416** | 1 | V-BELT SET (INCLUDES 3 BELTS) | |
| | | | | | (STANDARD APPLICATIONS) | |
| | | | | | —OR— | |
| A | | 1 | **9Q-3670** | 1 | V-BELT-BANDED | |
| | | | | | (DEBRIS LADEN APPLICATIONS) | |
| | 6 | 1 | **1D-4602** | 1 | BOLT (5/8-11X9.5 IN) | |
| | 7 | 1 | **5F-0149** | 1 | SEAL-O-RING | |
| | 8 | 1 | **4P-3878** | 1 | HUB-FAN PULLEY | |
| | 9 | 1 | **1W-4564** | 1 | WASHER-RETAINING | |
| | 10 | 1 | **3B-1915** | 6 | BOLT (3/8-16X1.37 IN) | |
| | 11 | 1 | **9W-3620** | 2 | CONE-BEARING | |
| | 12 | 1 | **4P-3874** | 1 | SPACER | |
| | 13 | 1 | **110-6936** | 1 | SUPPORT | |
| | 14 | 1 | **8T-8919** | 2 | BOLT (1/2-13X1.75 IN) | |
| | 15 | 1 | **6V-8188** | 2 | NUT (1/2-13 THD) | |
| | 16 | 1 | **9W-3621** | 2 | CUP-BEARING | |
| | 17 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |
| | 18 | 1 | **8B-8255** | 1 | SEAL-LIP | |
| | 19 | 1 | **0S-1588** | 6 | BOLT (3/8-16X1.25 IN) | |
| | 20 | 1 | **5M-8009** | 1 | PIN-SPRING | |
| | 21 | 1 | **9Y-7889** | 1 | SPACER | |
| | 22 | 1 | **8S-2388** | 1 | HOSE AS-FLEXIBLE | |
| | 23 | 1 | **119-4763** | 1 | ADAPTER | |
| | 24 | 1 | **3B-8485** | 1 | FITTING-GREASE | |
| | 25 | 1 | **8L-6557** | 1 | CONNECTOR | |
| | 26 | 1 | **5P-9297** | 1 | CLIP | |
| | 27 | 1 | **5M-3062** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 28 | 1 | **8T-4896** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

A-NOT PART OF THIS GROUP

*125-8523* **DRIVE GP-FAN** ***(contd.)*** **i01488409**




GRAPHIC #1

g00690338

# *159-9429* DRIVE GP-FAN

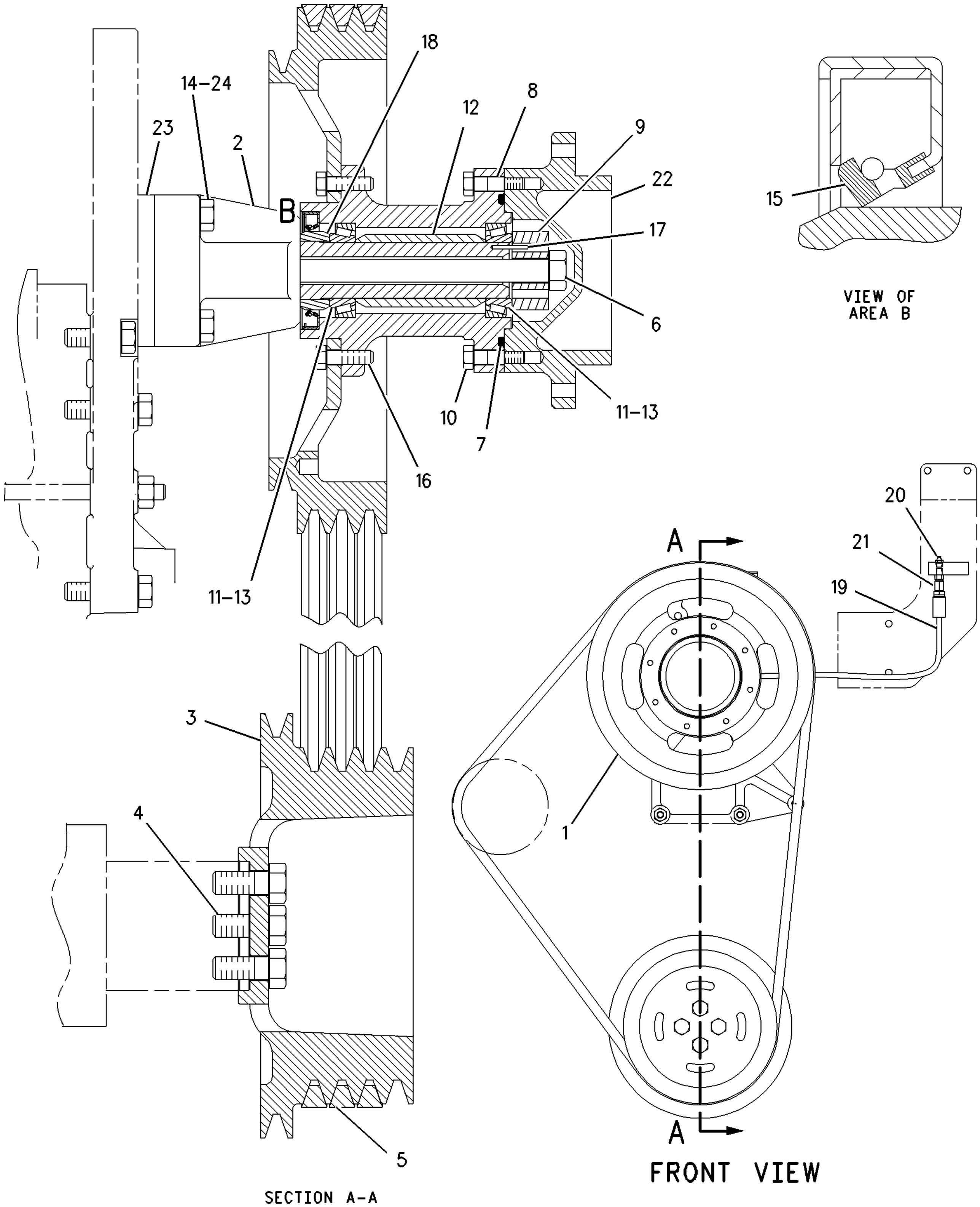
**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1357, 1358, 1359, 1390** **i01446985**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4N-8596** | 1 | PULLEY-FAN DRIVE (3 GROOVE) | |
| | 2 | 1 | **4P-3877** | 1 | BRACKET AS-FAN | |
| | | 1 | **4P-3875** | 1 | SHAFT-FAN | |
| | 3 | 1 | **4W-8595** | 1 | PULLEY-CRANKSHAFT (5 GROOVE) | |
| | 4 | 1 | **0S-1566** | 4 | BOLT (5/8-11X1.5 IN) | |
| | 5 | 1 | **129-2416** | 1 | V-BELT SET (INCLUDES 3 BELTS) | |
| | 6 | 1 | **1D-4602** | 1 | BOLT (5/8-11X9.5 IN) | |
| | 7 | 1 | **5F-0149** | 1 | SEAL-O-RING (91.44MM ID) | |
| | 8 | 1 | **4P-3878** | 1 | HUB-FAN PULLEY | |
| | 9 | 1 | **1W-4564** | 1 | WASHER-RETAINING | |
| | 10 | 1 | **3B-1915** | 6 | BOLT (3/8-16X1.37 IN) | |
| | 11 | 1 | **9W-3620** | 2 | CONE-BEARING | |
| | 12 | 1 | **4P-3874** | 1 | SPACER | |
| | 13 | 1 | **9W-3621** | 2 | CUP-BEARING | |
| | 14 | 1 | **8T-9389** | 4 | BOLT (1/2-13X2.75 IN) | |
| | 15 | 1 | **8B-8255** | 1 | SEAL-LIP | |
| | 16 | 1 | **0S-1588** | 6 | BOLT (3/8-16X1.25 IN) | |
| | 17 | 1 | **5M-8009** | 1 | PIN-SPRING | |
| | 18 | 1 | **9Y-7889** | 1 | SPACER | |
| | 19 | 1 | **8S-2387** | 1 | HOSE AS-FLEXIBLE | |
| | 20 | 1 | **3B-8489** | 1 | FITTING-GREASE | |
| | 21 | 1 | **8L-6557** | 1 | CONNECTOR | |
| | 22 | 1 | **119-4763** | 1 | ADAPTER | |
| | 23 | 1 | **159-9376** | 1 | PLATE | |
| | 24 | 1 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |

*159-9429* **DRIVE GP-FAN** ***(contd.)*** **i01446985**




GRAPHIC #1

g00680065

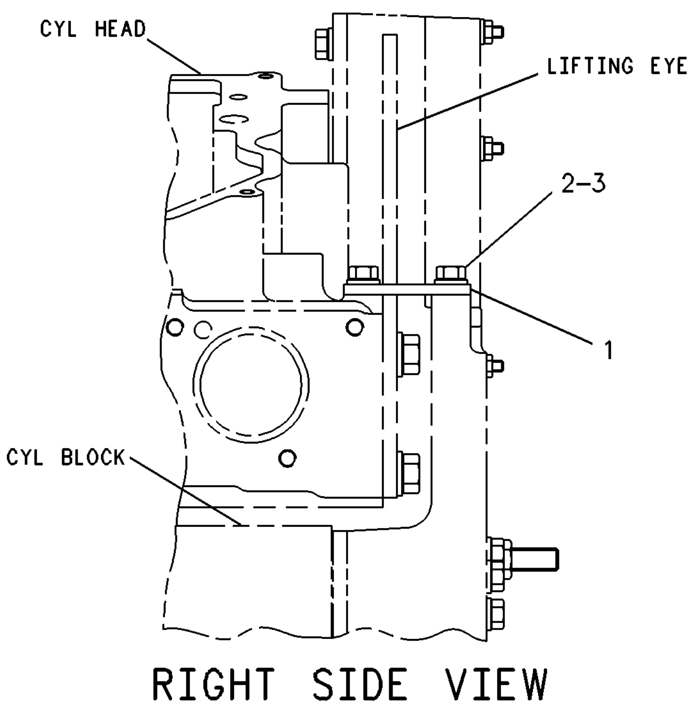
# *4P-6846* FASTENER GP-FRONT HOUSING

S/N: BET1-UP

PART OF 160-0566 ENGINE AR-CORE

SMCS-1151 i01446183

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7N-0452** | 1 | PLATE | |
| | 2 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 3 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1 g00231021

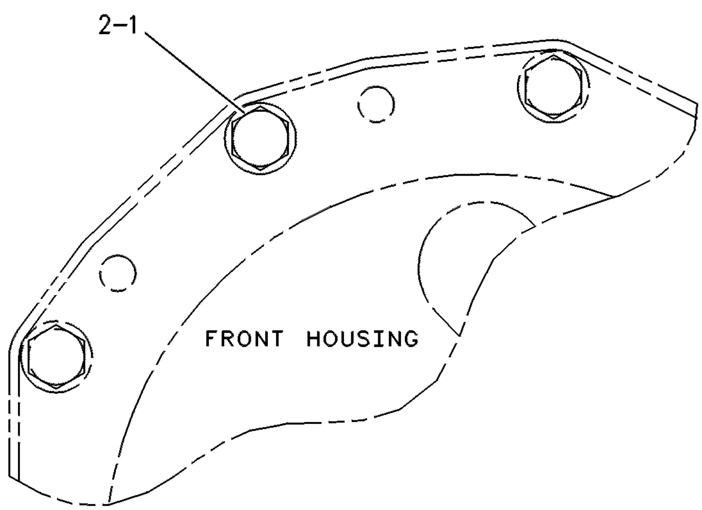
# *150-3345* FASTENER GP-FRONT HOUSING

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1151** **i01445123**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5M-3062** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 2 | 1 | **8T-4896** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




FRONT VIEW

GRAPHIC #1

g00238155

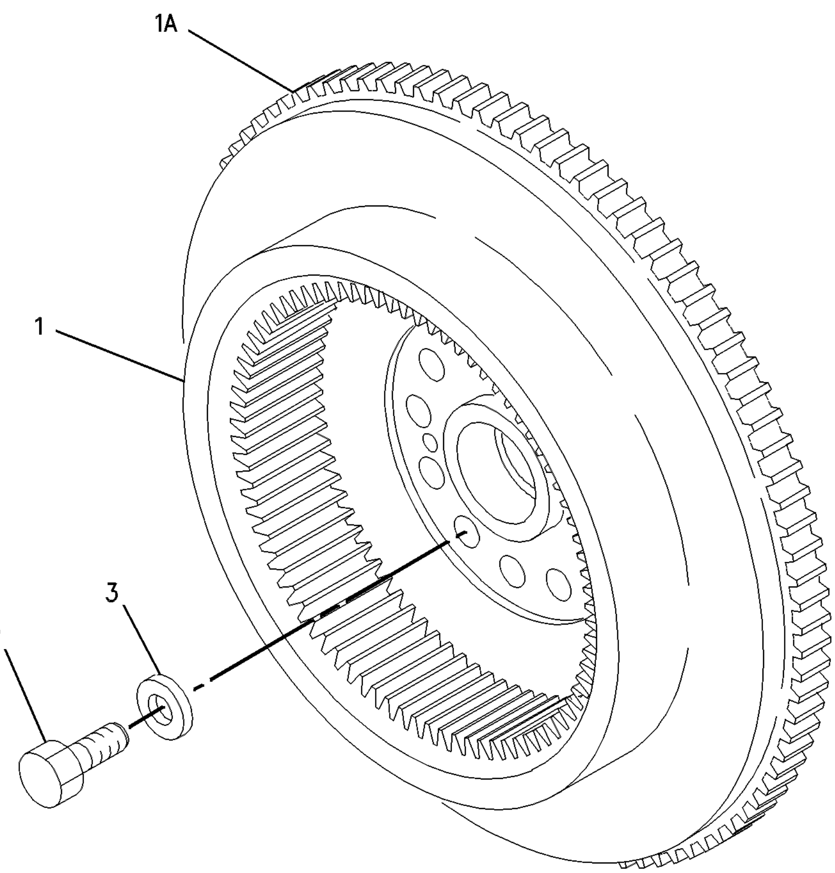
## *159-9019* FLYWHEEL GP

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1156, 1158** **i01444990**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **159-8866** | 1 | FLYWHEEL AS | |
| | 1A | 1 | **4N-2514** | 1 | GEAR (113 TEETH) | |
| | 2 | 1 | **0S-1602** | 12 | BOLT (5/8-18X3.5IN) | |
| | 3 | 1 | **4D-3704** | 12 | WASHER-HARD (17X30X5MM THK) | |




GRAPHIC #1

g00531310

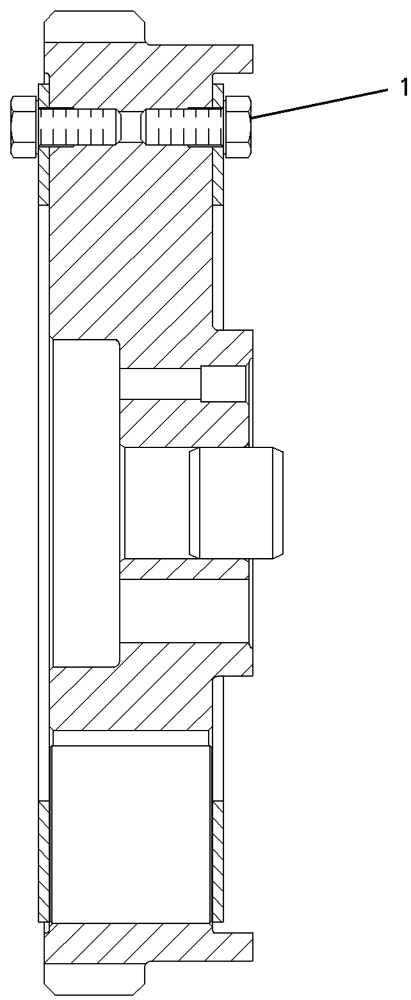
# *136-9419* GEAR GP-CAMSHAFT

S/N: BET1-UP

PART OF 137-5921 GEAR GP-FRONT

SMCS-1206 i01446819

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-8872** | 8 | BOLT-LOCKING (3/8-16X0.875 IN) | |




GRAPHIC #1 g00529031

## *137-5921* GEAR GP-FRONT

**S/N: BET1-UP**

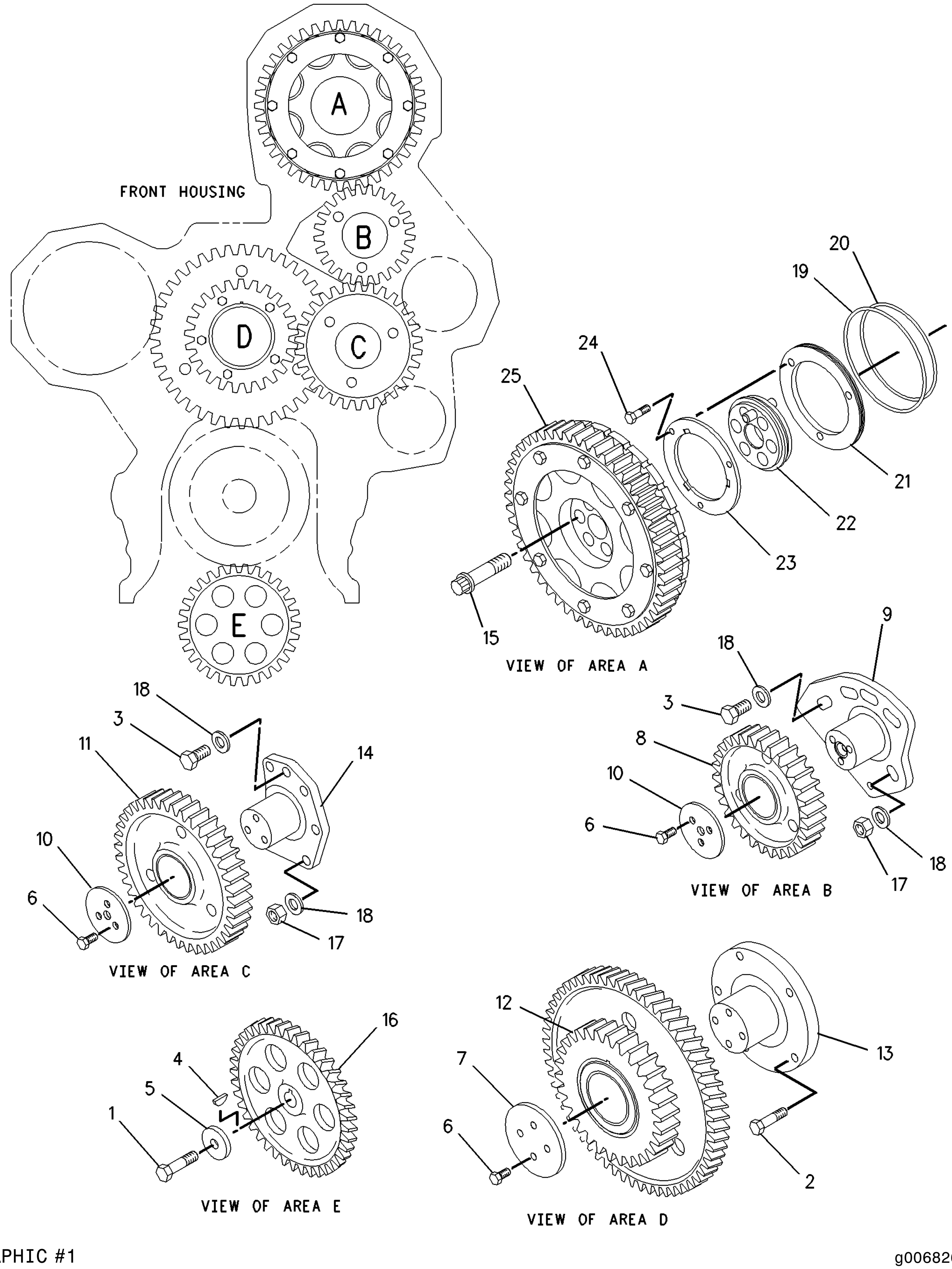
**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1206** **i01446811**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0S-1571** | 1 | BOLT (3/8-16X1.75 IN) | |
| | 2 | 1 | **2J-3118** | 5 | BOLT-LOCKING (3/8-16X1.25 IN) | |
| | 3 | 1 | **5P-4142** | 2 | BOLT-LOCKING | |
| | 4 | 1 | **1B-8705** | 1 | KEY-WOODRUFF | |
| | 5 | 1 | **1P-7346** | 1 | WASHER-HARD (10.2X35X6MM THK) | |
| | 6 | 1 | **126-1756** | 10 | BOLT-LOCKING | |
| | 7 | 1 | **112-9217** | 1 | PLATE-THRUST | |
| | 8 | 1 | **130-4701** | 1 | GEAR AS (56 TEETH) | |
| | 9 | 1 | **151-5966** | 1 | SHAFT AS-STUB | |
| | | 1 | **6I-3623** | 1 | DOWEL | |
| | 10 | 1 | **6I-3624** | 2 | PLATE-THRUST | |
| | 11 | 1 | **6I-3625** | 1 | GEAR AS (71 TEETH) | |
| | | 1 | **101-8468** | 1 | BEARING-SLEEVE | |
| | 12 | 1 | **128-2659** | 1 | GEAR AS (63/105 TEETH)(CLUSTER) | |
| | | 1 | **1B-8705** | 1 | KEY-WOODRUFF | |
| | 13 | 1 | **6I-3632** | 1 | SHAFT-STUB | |
| | 14 | 1 | **158-3416** | 1 | STUBSHAFT | |
| | 15 | 1 | **031-3185** | 6 | BOLT-12 POINT HEAD (76.2MM) | |
| | 16 | 1 | **7E-5661** | 1 | GEAR-OIL PUMP DRIVE (69 TEETH) | |
| | 17 | 1 | **9S-8752** | 10 | NUT-FULL (3/8-16 THD) | |
| | 18 | 1 | **9X-6458** | 12 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 19 | 1 | **117-8801** | 1 | SEAL-O-RING (126.67MM ID) | |
| | 20 | 1 | **5E-8771** | 1 | SEAL-O-RING | |
| | 21 | 1 | **117-8557** | 1 | PLATE-SEAL | |
| | 22 | 1 | **128-8853** | 1 | ADAPTER AS | |
| | | 1 | **6V-3677** | 1 | DOWEL | |
| | 23 | 1 | **102-5861** | 1 | PLATE-THRUST | |
| | 24 | 1 | **107-0583** | 3 | BOLT-LOCKING (1/4-20 X 0.87IN) | |
| Y | 25 | 1 | **136-9419** | 1 | GEAR GP-CAMSHAFT (96 TEETH) | 47 |

Y-SEPARATE ILLUSTRATION

*137-5921* **GEAR GP-FRONT** ***(contd.)*** **i01446811**




GRAPHIC #1

g00682671

# *9Y-2187* GEAR GP-REAR

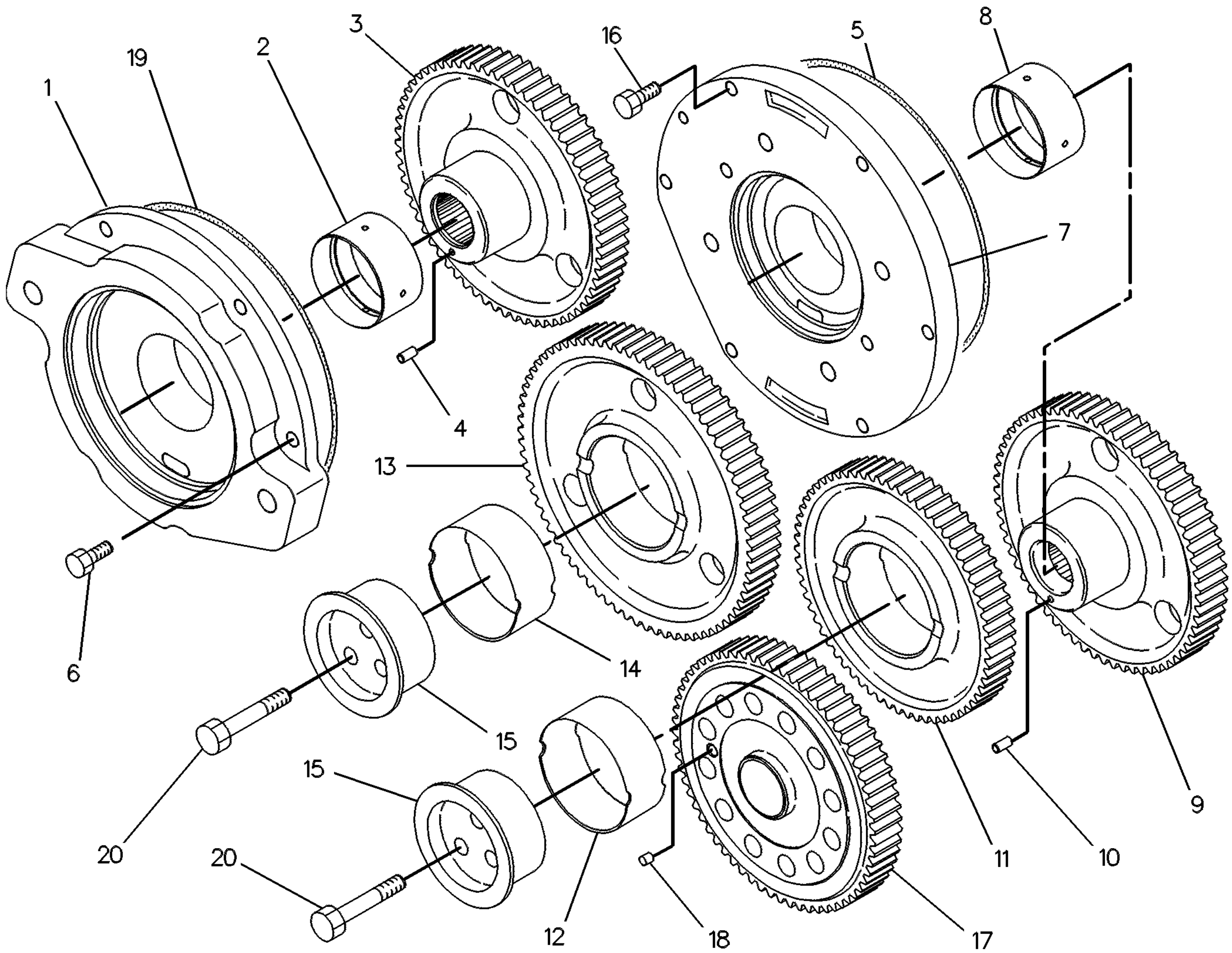
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1204** **i00569712**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **132-3201** | 1 | ADAPTER AS-PUMP | |
| | 2 | 1 | **8M-9315** | 1 | BEARING-SLEEVE | |
| | 3 | 1 | **131-8674** | 1 | GEAR AS-DRIVE (57 TEETH) | |
| | 4 | 1 | **4F-6024** | 1 | PIN | |
| | 5 | 1 | **6V-5141** | 1 | SEAL-O-RING | |
| | 6 | 1 | **0S-1588** | 6 | BOLT (3/8-16X1.25IN) | |
| | 7 | 1 | **101-3670** | 1 | ADAPTER AS-PUMP | |
| | 8 | 1 | **8M-9315** | 1 | BEARING-SLEEVE | |
| | 9 | 1 | **9Y-5618** | 1 | GEAR AS-DRIVE (68 TEETH) | |
| | 10 | 1 | **4F-6024** | 1 | PIN | |
| | 11 | 1 | **9Y-1985** | 1 | GEAR AS-IDLER (55 TEETH) | |
| | 12 | 1 | **1W-4738** | 1 | BEARING-SLEEVE | |
| | 13 | 1 | **9Y-1981** | 1 | GEAR AS-IDLER (78 TEETH) | |
| | 14 | 1 | **1W-4738** | 1 | BEARING-SLEEVE | |
| | 15 | 1 | **9Y-2092** | 2 | RETAINER-IDLER | |
| | 16 | 1 | **3B-1915** | 6 | BOLT (3/8-16X1.375IN) | |
| | 17 | 1 | **9Y-2094** | 1 | GEAR AS-CRANKSHAFT (68 TEETH) | |
| | 18 | 1 | **4N-0684** | 1 | DOWEL | |
| | 19 | 1 | **3F-1547** | 1 | SEAL-O-RING | |
| | 20 | 1 | **1A-1460** | 6 | BOLT (1/2-13X2IN) | |

*9Y-2187* **GEAR GP-REAR** ***(contd.)*** **i00569712**




GRAPHIC #1 g00234914

# *100-2879* HOUSING GP-FLYWHEEL

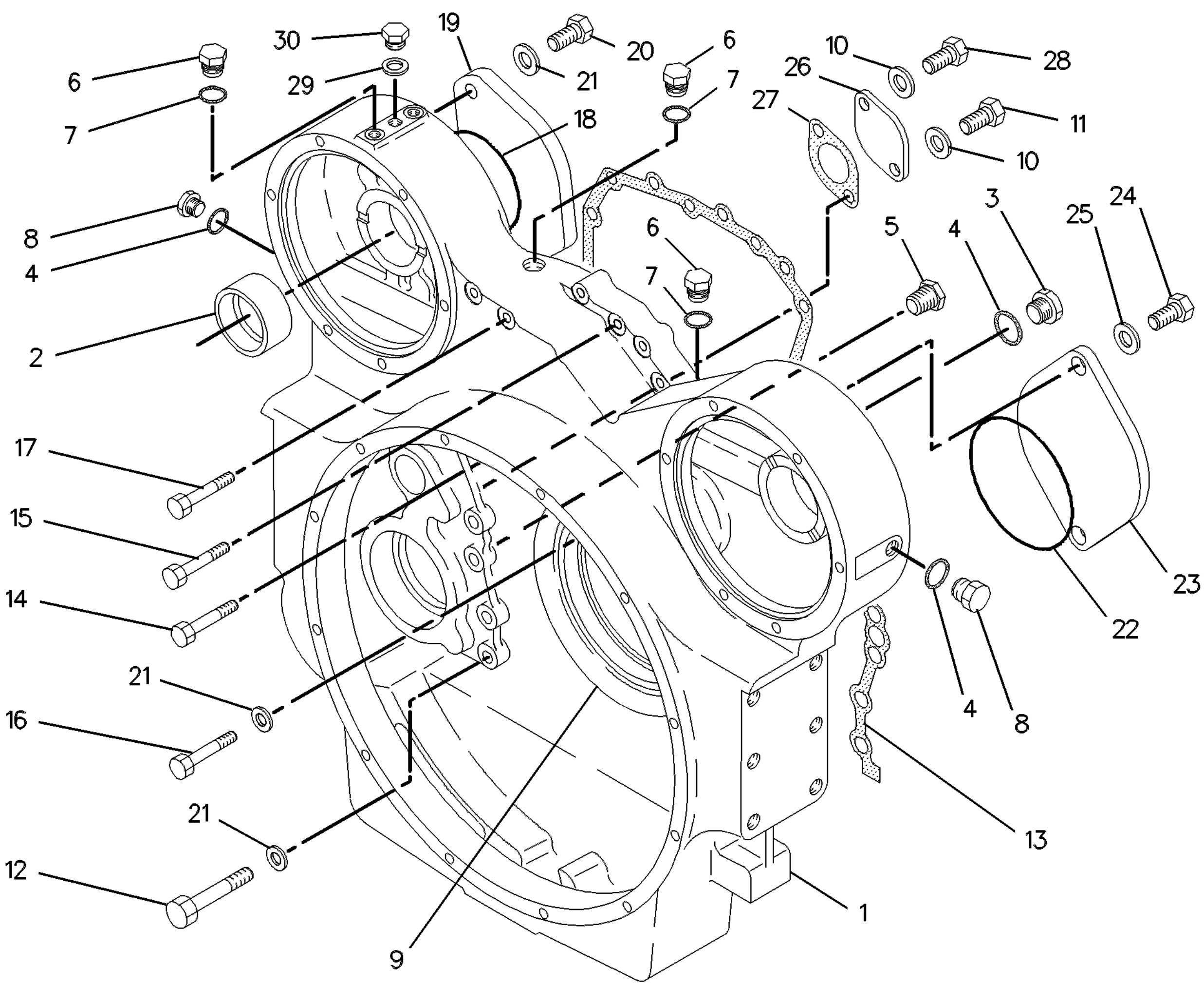
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1157** **i01502954**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **100-2878** | 1 | HOUSING AS-FLYWHEEL | |
| | 2 | 1 | **8M-9315** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **9S-8005** | 2 | PLUG | |
| | 4 | 1 | **3K-0360** | 4 | SEAL-O-RING | |
| | 5 | 1 | **8T-6765** | 2 | PLUG-PIPE | |
| | 6 | 1 | **9S-4182** | 4 | PLUG-O-RING | |
| | 7 | 1 | **3J-7354** | 4 | SEAL-O-RING | |
| | 8 | 1 | **9S-4185** | 2 | PLUG-O-RING | |
| | 9 | 1 | **1W-3136** | 1 | BAFFLE | |
| | 10 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 11 | 1 | **0S-1594** | 1 | BOLT (3/8-16X1 IN) | |
| | 12 | 1 | **9K-7290** | 8 | BOLT-12 POINT HEAD (1/2-13X3.25IN) | |
| | 13 | 1 | **155-5619** | 1 | GASKET-FLYWHEEL | |
| | 14 | 1 | **165-3930** | 6 | BOLT-HEX HEAD (3/8-16X1.625IN) | |
| | 15 | 1 | **165-3932** | 5 | BOLT-HEX HEAD (3/8-16X2IN) | |
| | 16 | 1 | **5J-5793** | 1 | BOLT-12 POINT HEAD (1/2-13X1.75 IN) | |
| | 17 | 1 | **165-3936** | 2 | BOLT-HEX HEAD (3/8-16X4.5IN) | |
| | 18 | 1 | **4M-0189** | 1 | SEAL-O-RING | |
| | 19 | 1 | **116-3046** | 1 | COVER | |
| | 20 | 1 | **0S-1585** | 2 | BOLT (1/2-13X1.50 IN) | |
| | 21 | 1 | **5P-8245** | 11 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 22 | 1 | **5P-8286** | 1 | SEAL-O-RING | |
| | 23 | 1 | **101-3934** | 1 | COVER | |
| | 24 | 1 | **4B-4043** | 2 | BOLT (5/8-11X1.375 IN) | |
| | 25 | 1 | **5P-8247** | 2 | WASHER-HARD (17X32X3.5MM THK) | |
| | 26 | 1 | **2P-2772** | 1 | COVER | |
| | 27 | 1 | **4N-0933** | 1 | GASKET | |
| | 28 | 1 | **0S-1619** | 1 | BOLT (3/8-16X3 IN) | |
| | 29 | 1 | **2A-1162** | 1 | GASKET | |
| | 30 | 1 | **5F-0304** | 1 | PLUG-DRAIN | |

*100-2879* **HOUSING GP-FLYWHEEL** ***(contd.)*** **i01502954**




GRAPHIC #1 g00638618

# BASIC ENGINE

## *161-1509* HOUSING GP-FRONT

**S/N: BET1-UP**

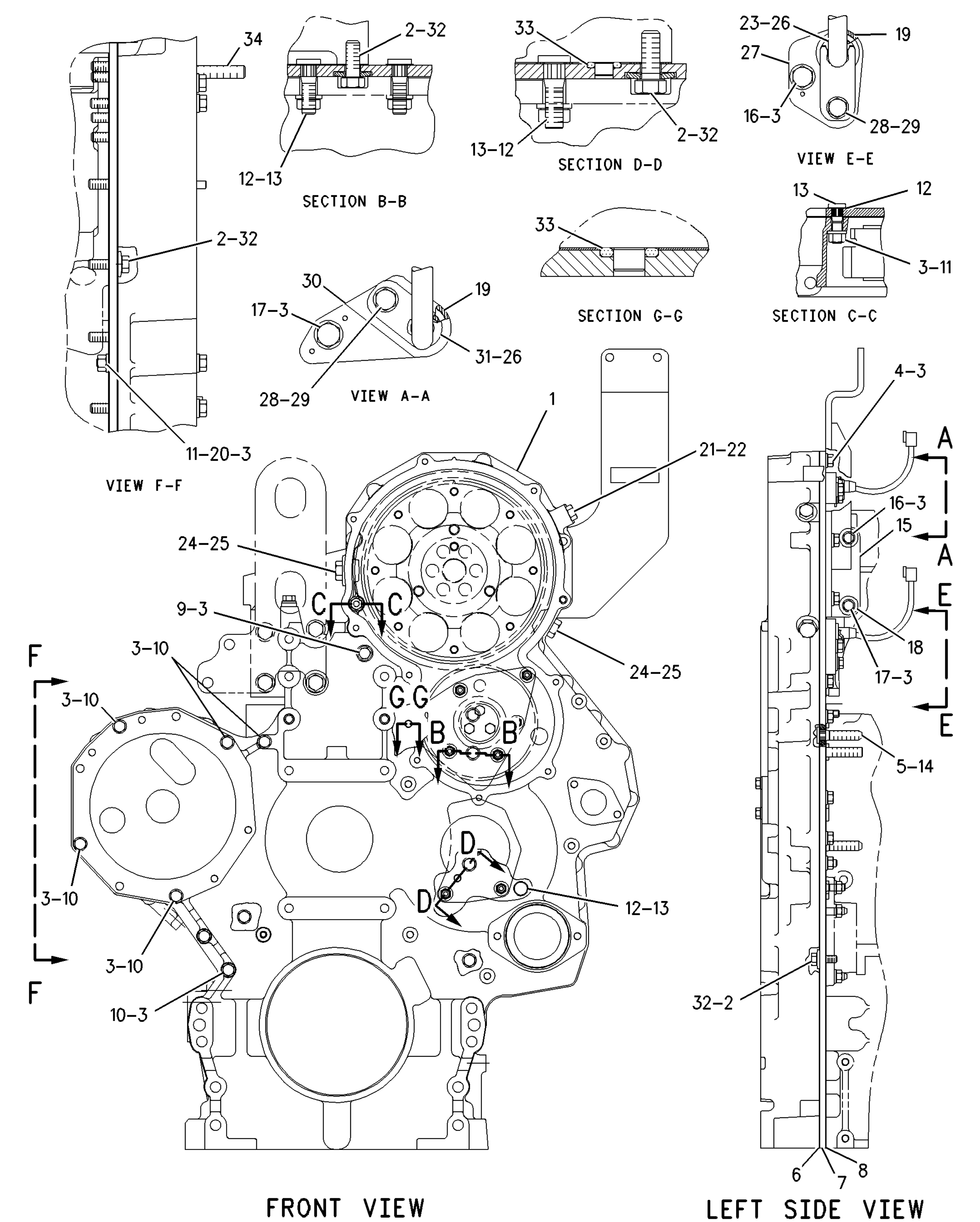
**PART OF 157-7195 ENGINE AR-COMPLETE**

**SMCS-1151, 1162, 1166** **i01436506**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **196-9011** | 1 | HOUSING AS-FRONT | |
| | | 1 | **191-3026** | 1 | STUD | |
| | 2 | 1 | **5P-4255** | 8 | BOLT-LOCKING (3/8-16 X 1 IN) | |
| | 3 | 1 | **5M-2894** | 27 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 4 | 1 | **0S-1588** | 11 | BOLT (3/8-16X1.25 IN) | |
| | 5 | 1 | **120-9243** | 2 | STUD-BRAKE | |
| | 6 | 1 | **166-9144** | 1 | GASKET | |
| | 7 | 1 | **155-9820** | 1 | PLATE AS-FRONT | |
| | | 1 | **153-1025** | 2 | DOWEL | |
| | 8 | 1 | **155-3629** | 1 | GASKET | |
| | 9 | 1 | **0L-2070** | 1 | BOLT (3/8-16X2.25 IN) | |
| | 10 | 1 | **0T-0055** | 6 | BOLT (3/8-16X4.25 IN) | |
| | 11 | 1 | **9S-8752** | 2 | NUT-FULL (3/8-16 THD) | |
| | 12 | 1 | **126-1757** | 12 | WASHER-SEAL | |
| | 13 | 1 | **129-5428** | 12 | STUD | |
| | 14 | 1 | **129-5427** | 2 | WASHER (14X27X1.27MM THK) | |
| | 15 | 1 | **161-1508** | 1 | BRACKET AS | |
| | 16 | 1 | **0S-1591** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 17 | 1 | **0S-1571** | 3 | BOLT (3/8-16X1.75 IN) | |
| | 18 | 1 | **101-3120** | 2 | SPACER (10.5X25X20MM THK) | |
| | 19 | 1 | **3P-1155** | 2 | SEAL-O-RING (24.99MM ID) | |
| | 20 | 1 | **8S-9191** | 1 | BOLT (3/8-16X4 IN) | |
| | 21 | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD (9/16-18) | |
| | 22 | 1 | **6V-5049** | 1 | SEAL-O-RING (11.89MM ID) | |
| Y | 23 | 1 | **142-8394** | 1 | SENSOR GP-SPEED (PRIMARY ENGINE) | 270 |
| | 24 | 1 | **9S-4185** | 2 | PLUG-O-RING (3/4-16) | |
| | 25 | 1 | **8L-2786** | 2 | SEAL-O-RING (16.36MM ID) | |
| | 26 | 1 | **117-1385** | 2 | SEAL-O-RING (13.94MM ID) | |
| | 27 | 1 | **132-9770** | 1 | SPACER AS | |
| | | 1 | **1W-6448** | 2 | DOWEL | |
| | 28 | 1 | **2H-3755** | 2 | BOLT (5/16-18X0.62 IN) | |
| | 29 | 1 | **9M-1974** | 2 | WASHER-HARD (8.8X16X2MM THK) | |
| | 30 | 1 | **147-3801** | 1 | SPACER AS | |
| | | 1 | **1W-6448** | 1 | DOWEL | |
| Y | 31 | 1 | **142-8393** | 1 | SENSOR GP-SPEED (SECONDARY ENGINE) | 269 |
| | 32 | 1 | **9X-6458** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 33 | 1 | **7X-4805** | 2 | SEAL-O-RING (9.12MM ID) | |
| | 34 | 1 | **4M-8548** | 2 | STUD-TAPERLOCK | |

Y-SEPARATE ILLUSTRATION

*161-1509* **HOUSING GP-FRONT** ***(contd.)*** **i01436506**




GRAPHIC #1 g00758318

# *161-8414* HOUSING GP-FRONT

**S/N: BET1-UP**

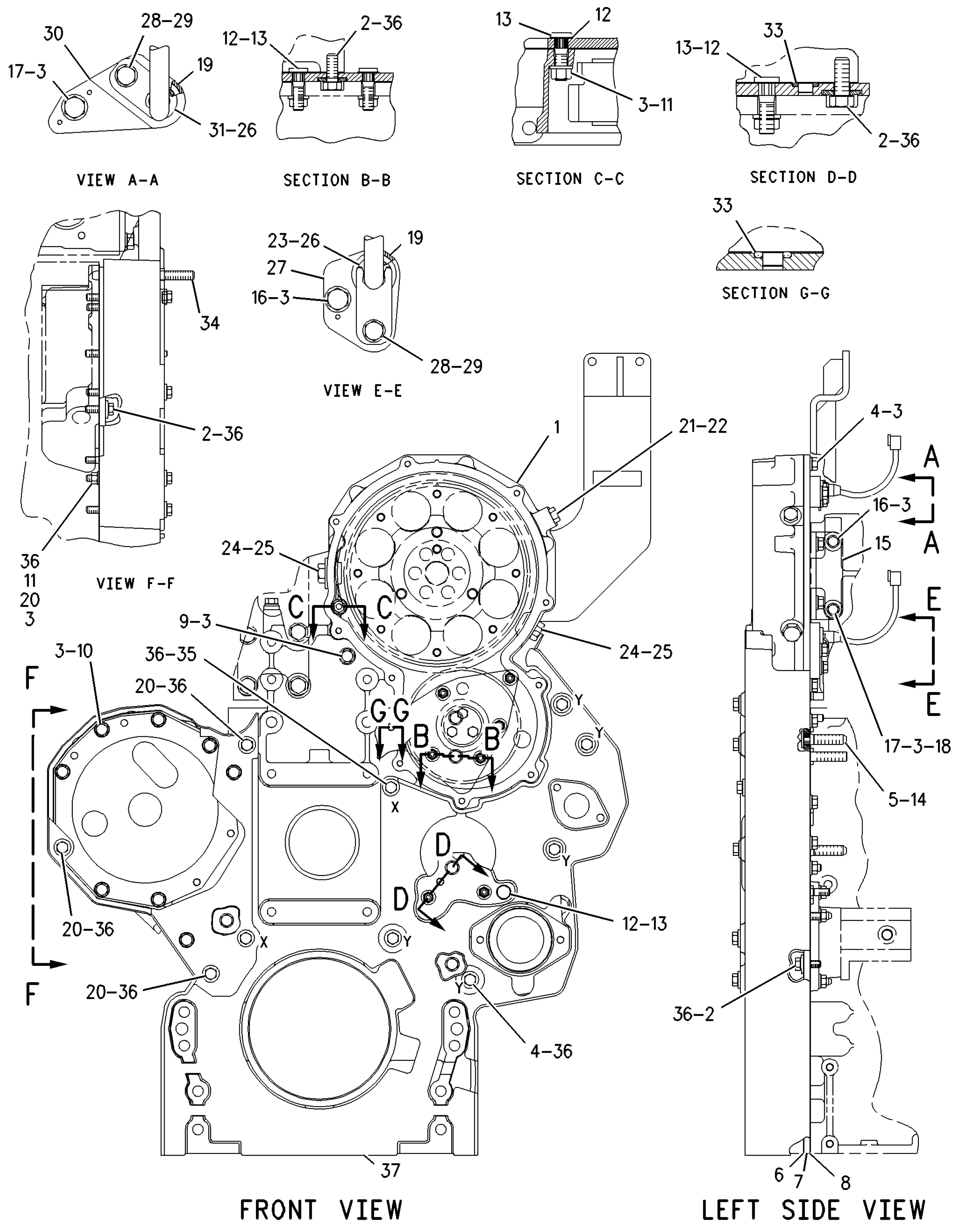
**PART OF 157-7196 ENGINE AR-COMPLETE**

**SMCS-1151, 1162, 1166** **i01435748**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **196-9011** | 1 | HOUSING AS-FRONT | |
| | | 1 | **191-3026** | 1 | STUD | |
| | 2 | 1 | **5P-4255** | 8 | BOLT-LOCKING (3/8-16 X 1 IN) | |
| | 3 | 1 | **5M-2894** | 23 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 4 | 1 | **0S-1588** | 16 | BOLT (3/8-16X1.25 IN) | |
| | 5 | 1 | **120-9243** | 2 | STUD-BRAKE | |
| | 6 | 1 | **166-9144** | 1 | GASKET | |
| | 7 | 1 | **155-9820** | 1 | PLATE AS-FRONT | |
| | | 1 | **153-1025** | 2 | DOWEL | |
| | 8 | 1 | **155-3629** | 1 | GASKET | |
| | 9 | 1 | **0L-2070** | 1 | BOLT (3/8-16X2.25 IN) | |
| | 10 | 1 | **0T-0055** | 3 | BOLT (3/8-16X4.25 IN) | |
| | 11 | 1 | **9S-8752** | 2 | NUT-FULL (3/8-16 THD) | |
| | 12 | 1 | **126-1757** | 12 | WASHER-SEAL | |
| | 13 | 1 | **129-5428** | 12 | STUD | |
| | 14 | 1 | **129-5427** | 2 | WASHER (14X27X1.27MM THK) (SEALING) | |
| | 15 | 1 | **161-1508** | 1 | BRACKET AS | |
| | 16 | 1 | **0S-1591** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 17 | 1 | **0S-1571** | 3 | BOLT (3/8-16X1.75 IN) | |
| | 18 | 1 | **101-3120** | 2 | SPACER (10.5X25X20MM THK) | |
| | 19 | 1 | **3P-1155** | 2 | SEAL-O-RING (24.99MM ID) | |
| | 20 | 1 | **1A-5964** | 4 | BOLT (3/8-16X4.5 IN) | |
| | 21 | 1 | **9S-4191** | 1 | PLUG | |
| | 22 | 1 | **6V-5049** | 1 | SEAL-O-RING (11.89MM ID) | |
| Y | 23 | 1 | **142-8394** | 1 | SENSOR GP-SPEED (PRIMARY ENGINE TIMING) | 270 |
| | 24 | 1 | **9S-4185** | 2 | PLUG | |
| | 25 | 1 | **8L-2786** | 2 | SEAL-O-RING (16.36MM ID) | |
| | 26 | 1 | **117-1385** | 2 | SEAL-O-RING (13.94MM ID) | |
| | 27 | 1 | **132-9770** | 1 | SPACER AS | |
| | | 1 | **1W-6448** | 2 | DOWEL | |
| | 28 | 1 | **2H-3755** | 2 | BOLT (5/16-18X0.62 IN) | |
| | 29 | 1 | **9M-1974** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| | 30 | 1 | **147-3801** | 1 | SPACER AS | |
| | | 1 | **1W-6448** | 1 | DOWEL | |
| Y | 31 | 1 | **142-8393** | 1 | SENSOR GP-SPEED (SECONDARY ENGINE TIMING) | 269 |
| | 33 | 1 | **7X-4805** | 2 | SEAL-O-RING (9.12MM ID) | |
| | 34 | 1 | **4M-8548** | 2 | STUD-TAPERLOCK | |
| | 35 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 36 | 1 | **9X-6458** | 19 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 37 | 1 | **161-8415** | 1 | COVER AS | |

Y-SEPARATE ILLUSTRATION

*161-8414* **HOUSING GP-FRONT** ***(contd.)*** **i01435748**




GRAPHIC #1 g00708327

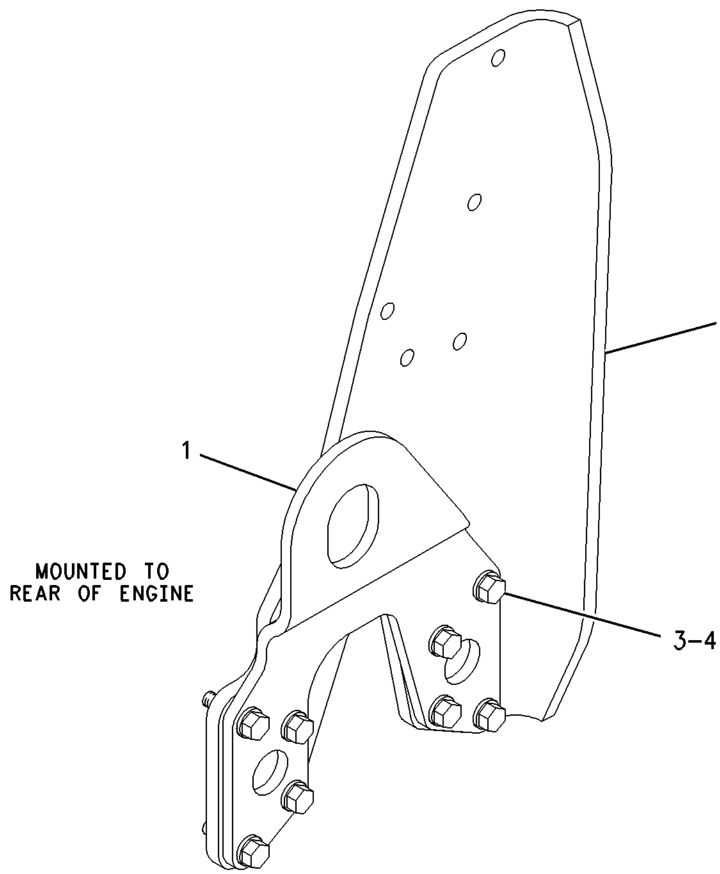
# *160-5569* LIFTING GP-ENGINE

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1122** **i01445060**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **109-9985** | 1 | EYE-LIFTING | |
| | 2 | 1 | **172-9383** | 1 | SUPPORT | |
| | 3 | 1 | **3B-1915** | 8 | BOLT (3/8-16X1.37 IN) | |
| | 4 | 1 | **5M-2894** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1

g00665192

## *200-1302* LIFTING GP-ENGINE

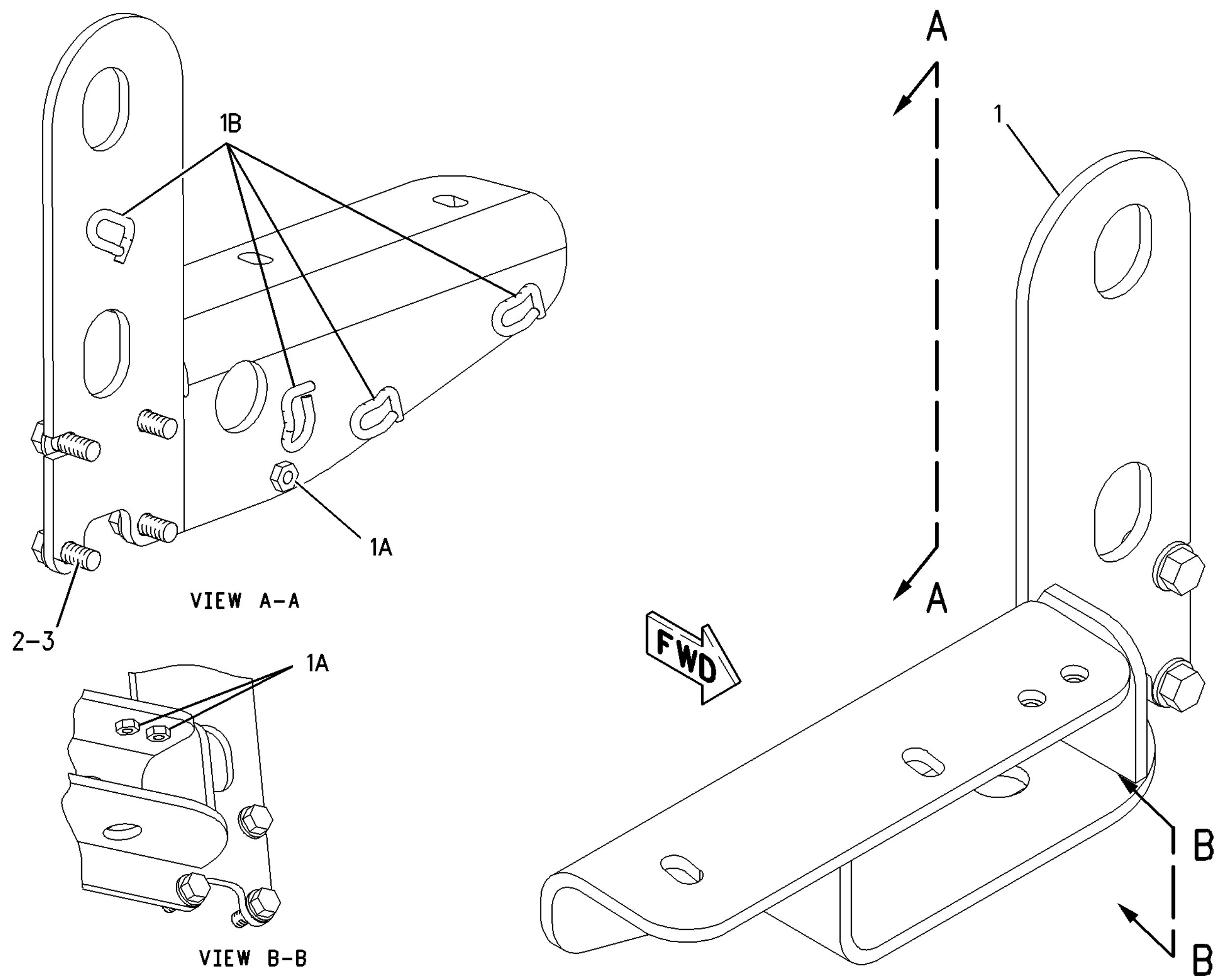
**S/N: BET1-UP**

**FRONT**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1122** **i01474167**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **200-1172** | 1 | SUPPORT AS | |
| | 1A | 1 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 1B | 1 | **7T-1099** | 4 | LINK | |
| | 2 | 1 | **0S-1595** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 3 | 1 | **5P-8245** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |




GRAPHIC #1

g00769218

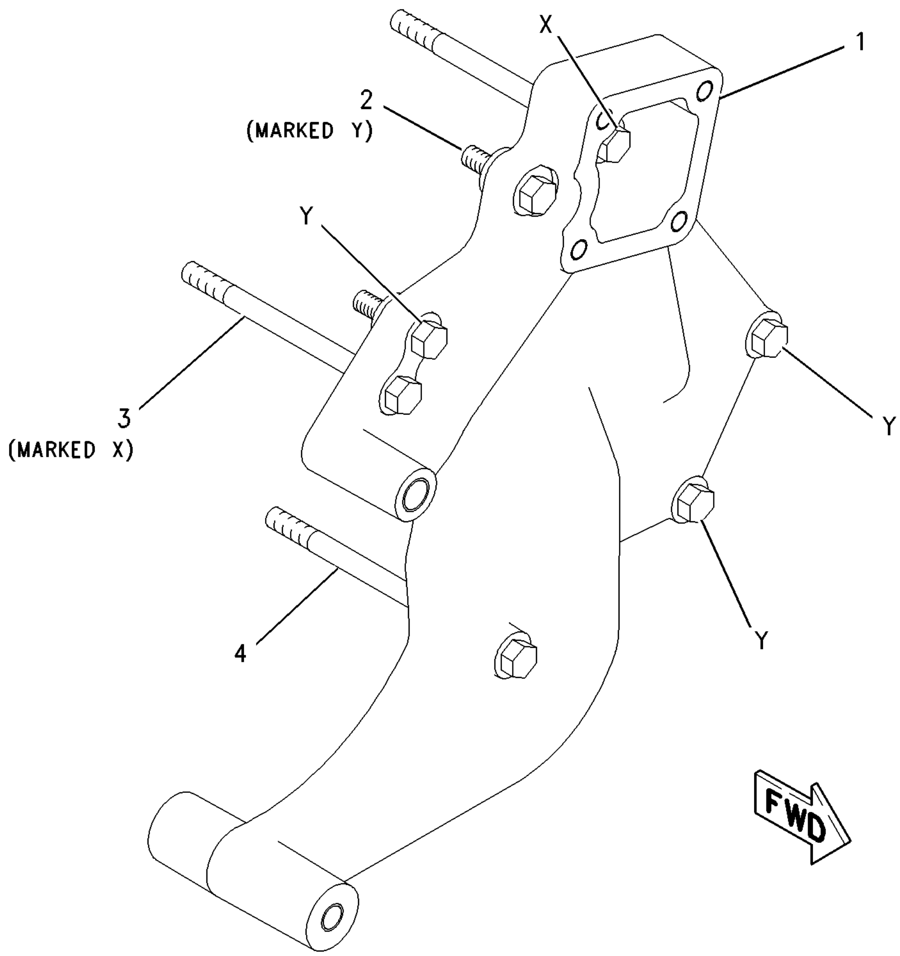
## *160-0569* MOUNTING GP-ALTERNATOR

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1405** **i01445077**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **159-9379** | 1 | BRACKET-MOUNTING | |
| | 2 | 1 | **0S-1591** | 4 | BOLT (3/8-16X1.5 IN) | |
| | 3 | 1 | **5B-9603** | 2 | BOLT (3/8-16X5 IN) | |
| | 4 | 1 | **7F-3425** | 1 | BOLT (3/8-16X5.75IN) | |




GRAPHIC #1

g00709371

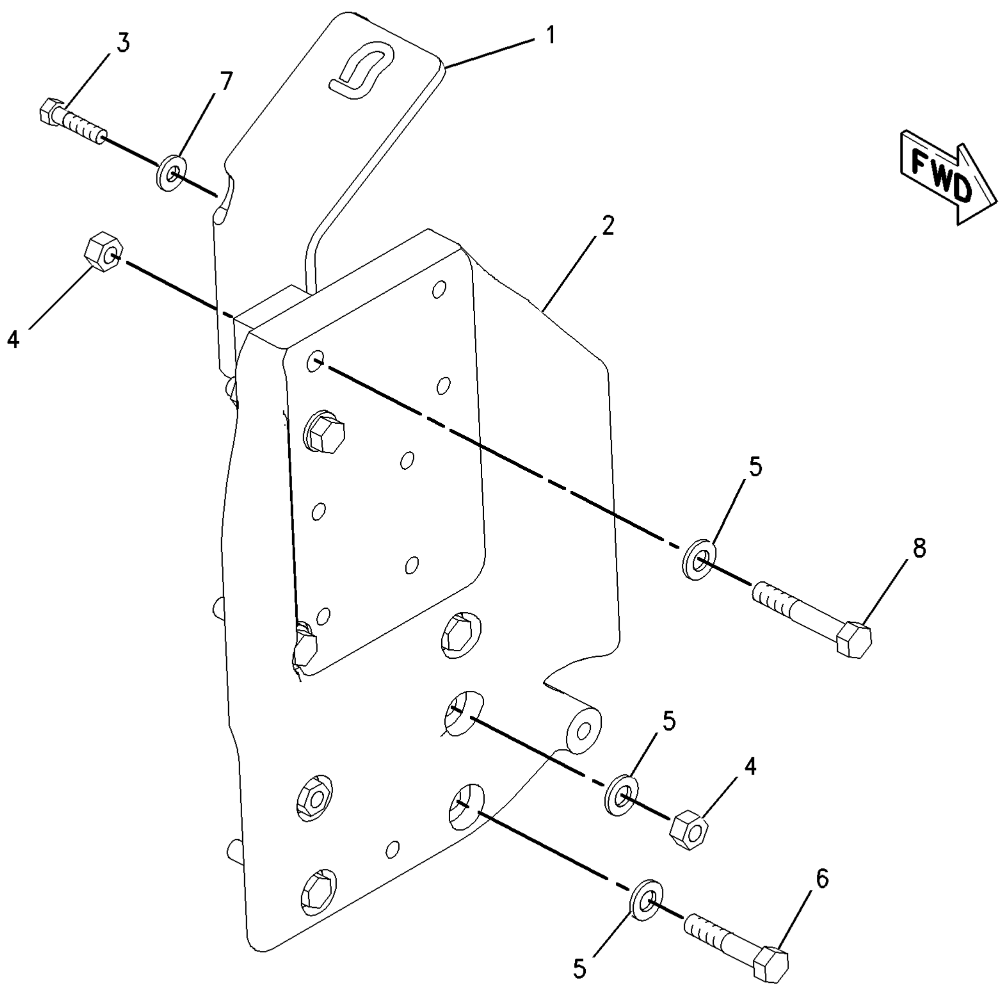
# *170-4674* MOUNTING GP-FAN DRIVE

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1359** **i01461985**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **198-7740** | 1 | BRACKET AS | |
| | 2 | 1 | **200-3905** | 1 | SUPPORT-FAN | |
| | 3 | 1 | **0S-1591** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 4 | 1 | **1F-7958** | 4 | NUT-FULL (1/2-13 THD) | |
| | 5 | 1 | **5P-8245** | 10 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 6 | 1 | **9S-1366** | 4 | BOLT (1/2-13X2.5 IN) | |
| | 7 | 1 | **9X-6458** | 3 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 8 | 1 | **9X-8874** | 2 | BOLT (1/2-13X3 IN) | |




GRAPHIC #1

g00764644

## *7W-0158* PAN GP-OIL

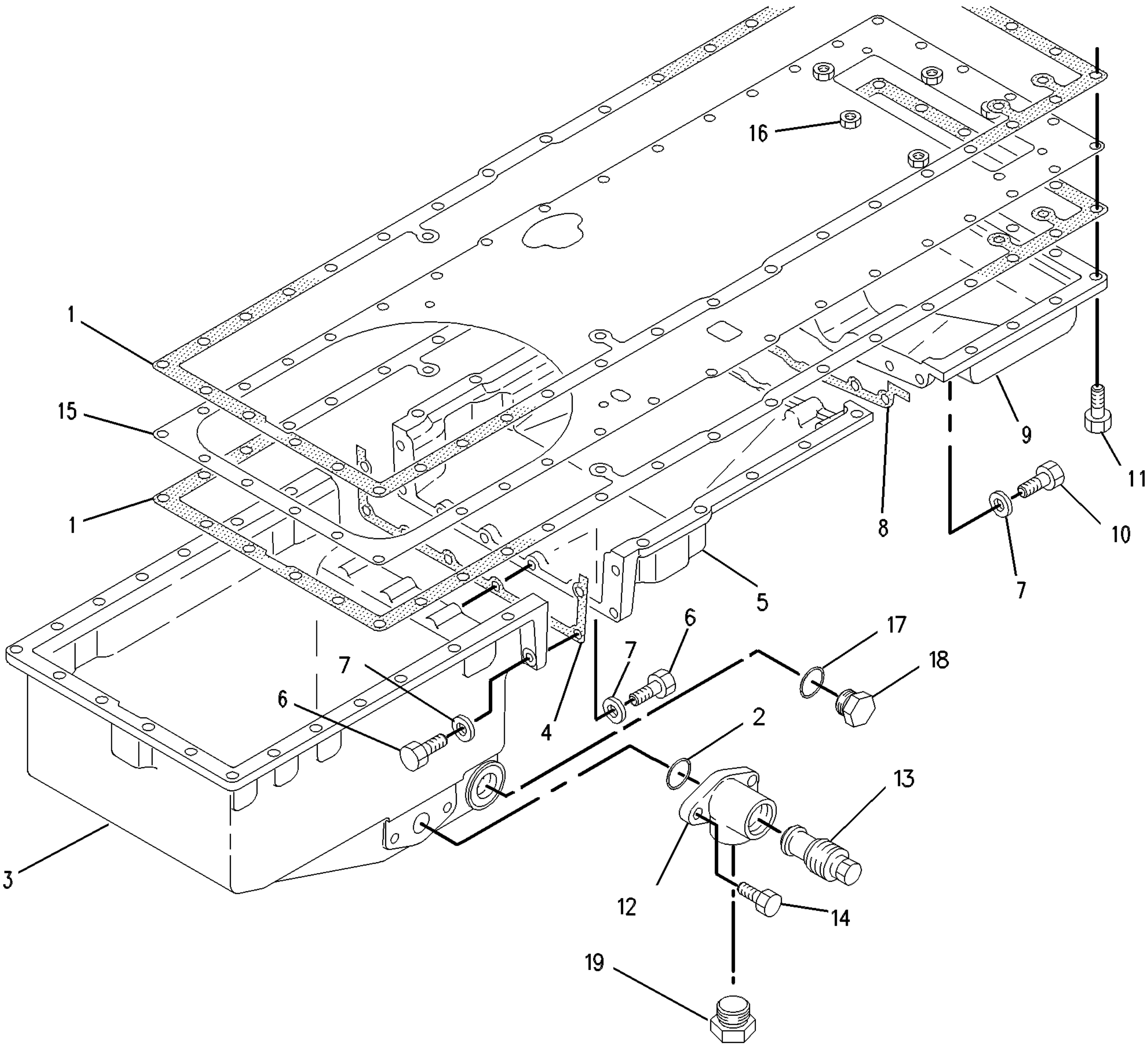
**S/N: BET1-UP**

**PART OF 157-7195 ENGINE AR-COMPLETE**

**SMCS-1302** **i01502967**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4N-3661** | 2 | GASKET-OIL PAN | |
| | 2 | 1 | **6V-3830** | 1 | SEAL-O-RING | |
| | 3 | 1 | **116-7885** | 1 | PAN-FRONT OIL | |
| | 4 | 1 | **4N-7266** | 1 | GASKET-OIL PAN | |
| | 5 | 1 | **7W-0844** | 1 | PAN-CENTER OIL | |
| | 6 | 1 | **0S-1591** | 8 | BOLT (3/8-16X1.5 IN) | |
| | 7 | 1 | **5M-2894** | 14 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 8 | 1 | **7W-0845** | 1 | GASKET | |
| | 9 | 1 | **7W-0843** | 1 | PAN-REAR OIL | |
| | 10 | 1 | **0S-1588** | 6 | BOLT (3/8-16X1.25 IN) | |
| | 11 | 1 | **2P-3203** | 39 | BOLT-WASHER HEAD (3/8-16X1.25 IN) | |
| | 12 | 1 | **4P-0519** | 1 | ADAPTER AS-DRAIN | |
| | 13 | 1 | **4P-0513** | 1 | PLUG-OIL DRAIN | |
| | 14 | 1 | **0S-1587** | 2 | BOLT (1/2-13X1.75 IN) | |
| | 15 | 1 | **1W-6632** | 1 | PLATE AS-OIL PAN | |
| | 16 | 1 | **9F-2978** | 5 | NUT-WELD (3/8-16 THD) | |
| | 17 | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 18 | 1 | **9S-4181** | 1 | PLUG-STRAIGHT THREAD | |
| | 19 | 1 | **3B-0551** | 1 | PLUG-PIPE | |

*7W-0158* **PAN GP-OIL** ***(contd.)*** **i01502967**




GRAPHIC #1 g00590371

## *107-7378* PAN GP-OIL

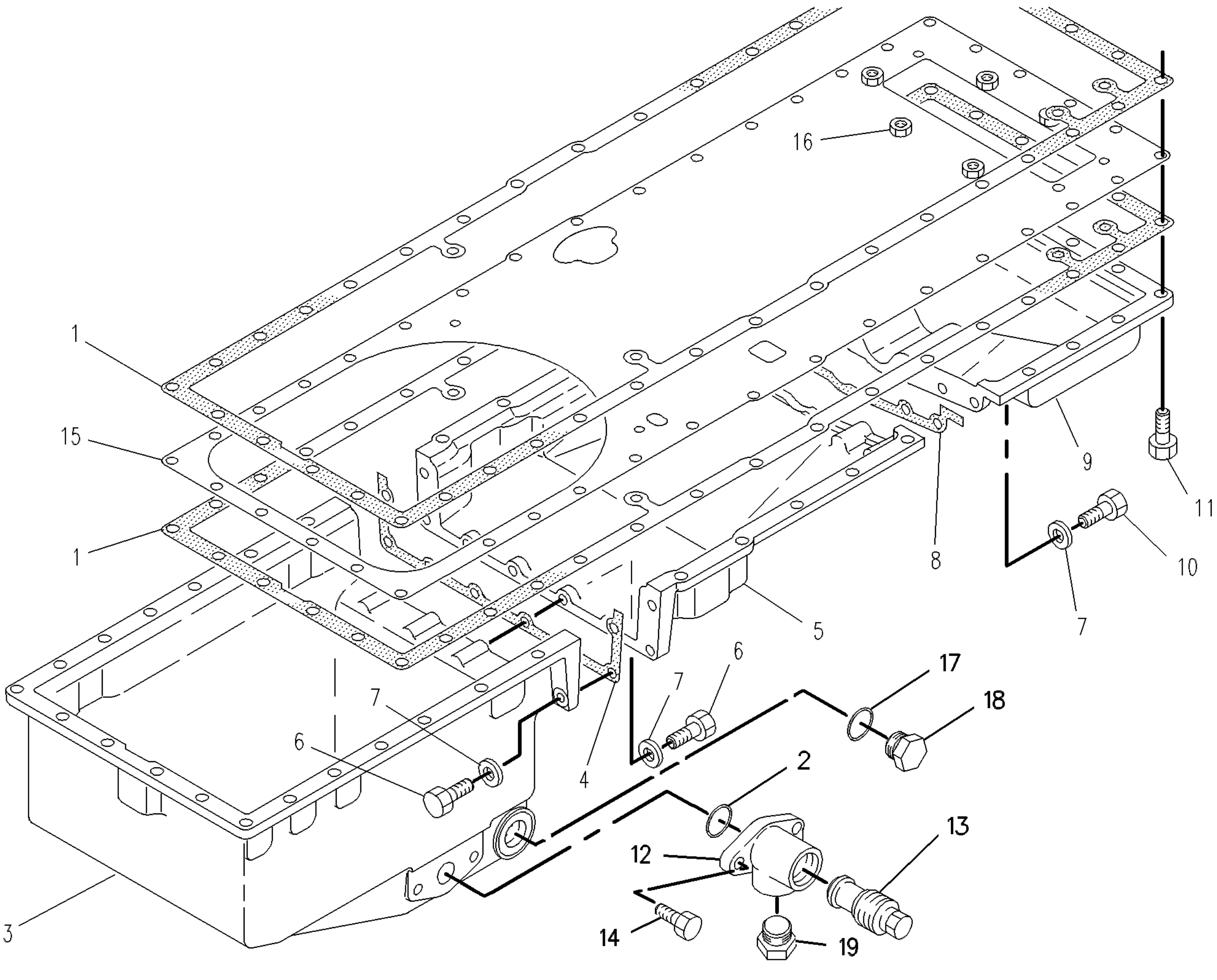
**S/N: BET1-UP**

**PART OF 157-7196 ENGINE AR-COMPLETE**

**SMCS-1302** **i01230888**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4N-1151** | 2 | GASKET | |
| | 2 | 1 | **6V-3830** | 1 | SEAL-O-RING (34.29MM ID) | |
| | 3 | 1 | **116-7885** | 1 | PAN-FRONT OIL | |
| | 4 | 1 | **4N-7266** | 1 | GASKET-OIL PAN | |
| | 5 | 1 | **7W-0844** | 1 | PAN-CENTER OIL | |
| | 6 | 1 | **0S-1591** | 8 | BOLT (3/8-16X1.5 IN) | |
| | 7 | 1 | **5M-2894** | 14 | WASHER (2.5MM THK) | |
| | 8 | 1 | **7W-0845** | 1 | GASKET | |
| | 9 | 1 | **7W-0843** | 1 | PAN-REAR OIL | |
| | 10 | 1 | **0S-1588** | 6 | BOLT (3/8-16X1.25IN) | |
| | 11 | 1 | **2P-3203** | 31 | BOLT-WASHER HEAD (3/8 X 1.25) | |
| | 12 | 1 | **4P-0519** | 1 | ADAPTER AS-DRAIN | |
| | 13 | 1 | **109-5839** | 1 | PLUG-OIL DRAIN | |
| | | 1 | **109-5840** | 1 | ADAPTER-PLUG | |
| | 14 | 1 | **0S-1587** | 2 | BOLT (1/2-13X1.75IN) | |
| | 15 | 1 | **1W-6632** | 1 | PLATE AS-OIL PAN | |
| | 16 | 1 | **1F-0750** | 5 | NUT-WELD (3/8-16 THD) | |
| | 17 | 1 | **7M-8485** | 1 | SEAL-O-RING (29.74MM ID) | |
| | 18 | 1 | **9S-4181** | 1 | PLUG-STRAIGHT THREAD (1-5/16-12 THD) | |
| | 19 | 1 | **090-9019** | 1 | PLUG-PIPE | |

*107-7378* **PAN GP-OIL** *(contd.)* **i01230888**




GRAPHIC #1 g00591630

# *176-5745* PISTON & ROD GP

**S/N: BET1-UP**

**16.25:1 RATIO**

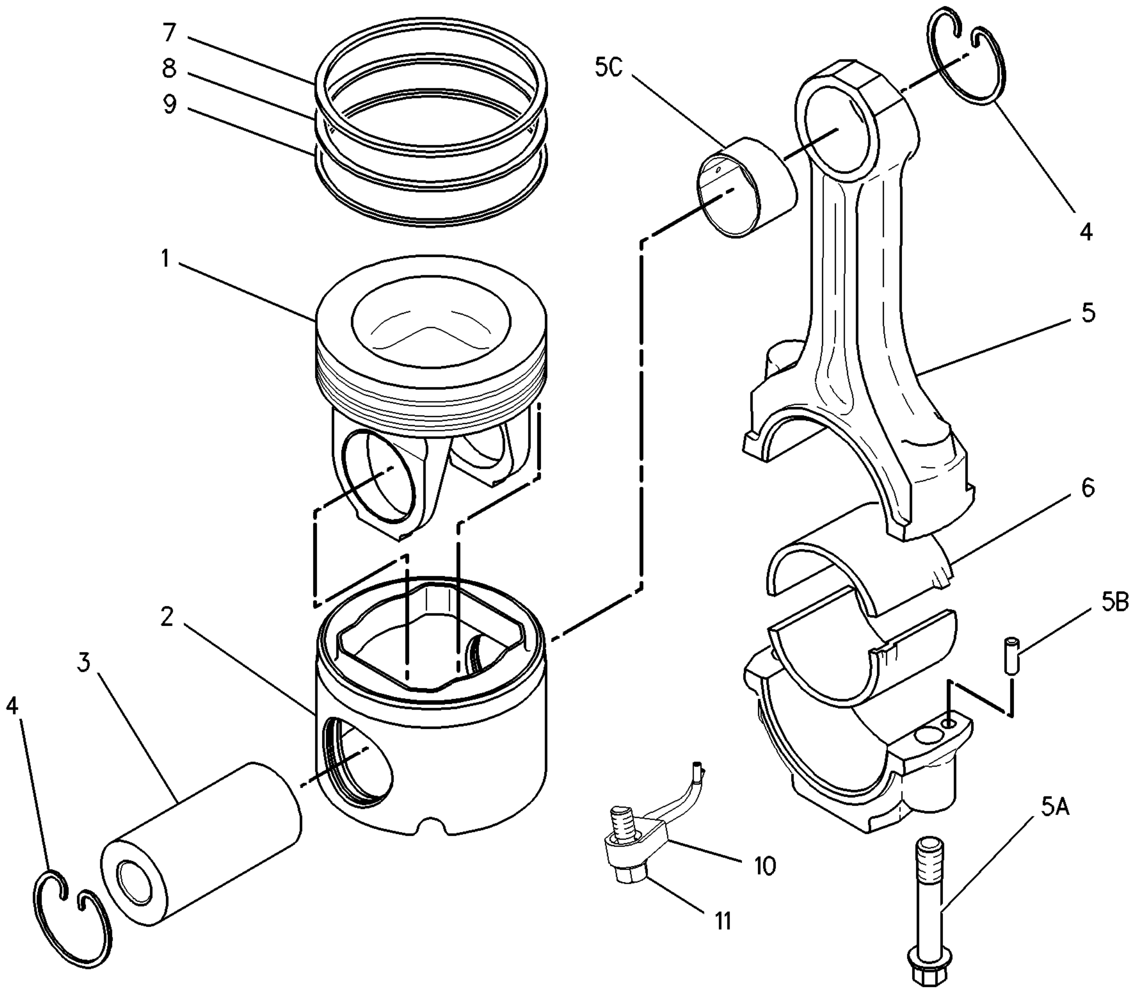
**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1213, 1214, 1215, 1218, 1219, 1225, 1239** **i01446895**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **176-5744** | 1 | CROWN AS-PISTON | |
| | 2 | 1 | **132-6663** | 1 | SKIRT-PISTON | |
| | 3 | 1 | **168-7246** | 1 | PIN-PISTON | |
| | 4 | 1 | **7E-1177** | 2 | RETAINER-PIN | |
| R | 5 | 1 | **9Y-6054** | 1 | ROD AS-CONNECTING | |
| M | 5A | 1 | **7E-4195** | 2 | BOLT-CONNECTING ROD | |
| | 5B | 1 | **7N-2043** | 2 | DOWEL | |
| | 5C | 1 | **4P-7377** | 1 | BEARING-SLEEVE | |
| | 6 | 1 | **9Y-7735** | 1 | BEARING-ROD (STANDARD) | |
| A | | 1 | **7E-0558** | 1 | BEARING-ROD (.635 MM US) | |
| A | | 1 | **7E-0559** | 1 | BEARING-ROD (1.27 MM US) | |
| | 7 | 1 | **177-7496** | 1 | RING-PISTON (TOP) | |
| | 8 | 1 | **176-5749** | 1 | RING-PISTON (INTERMEDIATE) | |
| | 9 | 1 | **189-9771** | 1 | RING-PISTON (OIL CONTROL) | |
| | 10 | 1 | **168-4539** | 1 | TUBE AS-OIL JET | |
| | 11 | 1 | **151-5925** | 1 | BOLT-OIL JET | |

A-NOT PART OF THIS GROUP
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

*176-5745* **PISTON & ROD GP** ***(contd.)*** **i01446895**




GRAPHIC #1

g00679535

## *163-7381* ROCKER ARM GP

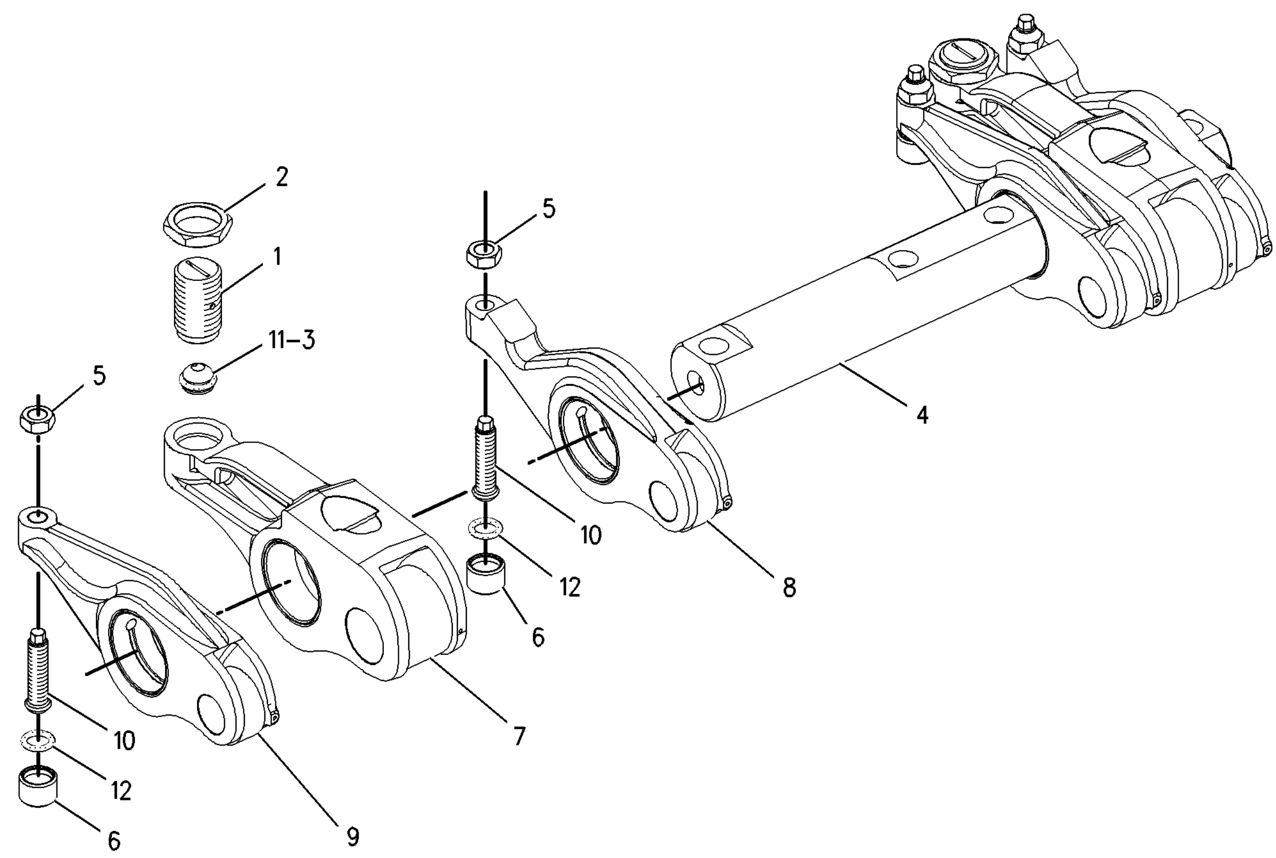
S/N: BET1-UP

PART OF 6I-1940 MECHANISM GP-FUEL PUMP & VALVE

SMCS-1102, 1123 i01446915

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4P-4278** | 2 | SCREW-UNIT INJ ADJUSTMENT | |
| | 2 | 1 | **4P-4279** | 2 | NUT-JAM | |
| | 3 | 1 | **4P-7371** | 2 | BUTTON-ROCKER ARM | |
| | 4 | 1 | **6I-0901** | 1 | SHAFT AS-ROCKER ARM | |
| | | 1 | **4B-9782** | 2 | BALL | |
| | 5 | 1 | **9L-7712** | 4 | NUT (3/8-24 THD) | |
| | 6 | 1 | **104-9270** | 4 | BUTTON | |
| R | 7 | 1 | **162-9174** | 2 | ROCKER ARM AS (UNIT INJECTOR) | |
| R | 8 | 1 | **162-9175** | 2 | ROCKER ARM AS (EXHAUST) | |
| | 9 | 1 | **170-8661** | 2 | ROCKER ARM AS (INLET) | |
| | 10 | 1 | **183-7547** | 4 | SCREW-ROCKER ARM | |
| | 11 | 1 | **032-9313** | 2 | SEAL-O-RING (12.37MM ID) | |
| | 12 | 1 | **8L-2777** | 4 | SEAL-O-RING (10.8MM ID) | |

R-REMFG PART MAY BE AVAILABLE




GRAPHIC #1 g00749873

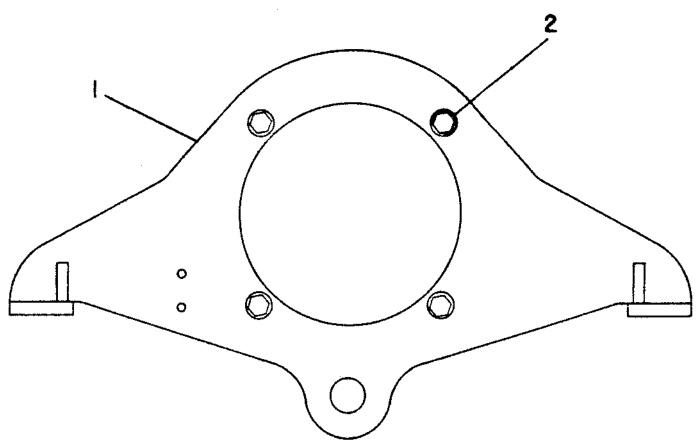
# *4N-2473* SUPPORT GP-ENGINE

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1152, 1153, 1154 i01065459

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4N-4631** | 1 | SUPPORT AS-ENGINE | |
| | 2 | 1 | **0S-1589** | 4 | BOLT (5/8-11X1.75IN) | |
| | | 1 | **4D-3704** | 4 | WASHER-HARD (5MM THK) | |




GRAPHIC #1 g00141591

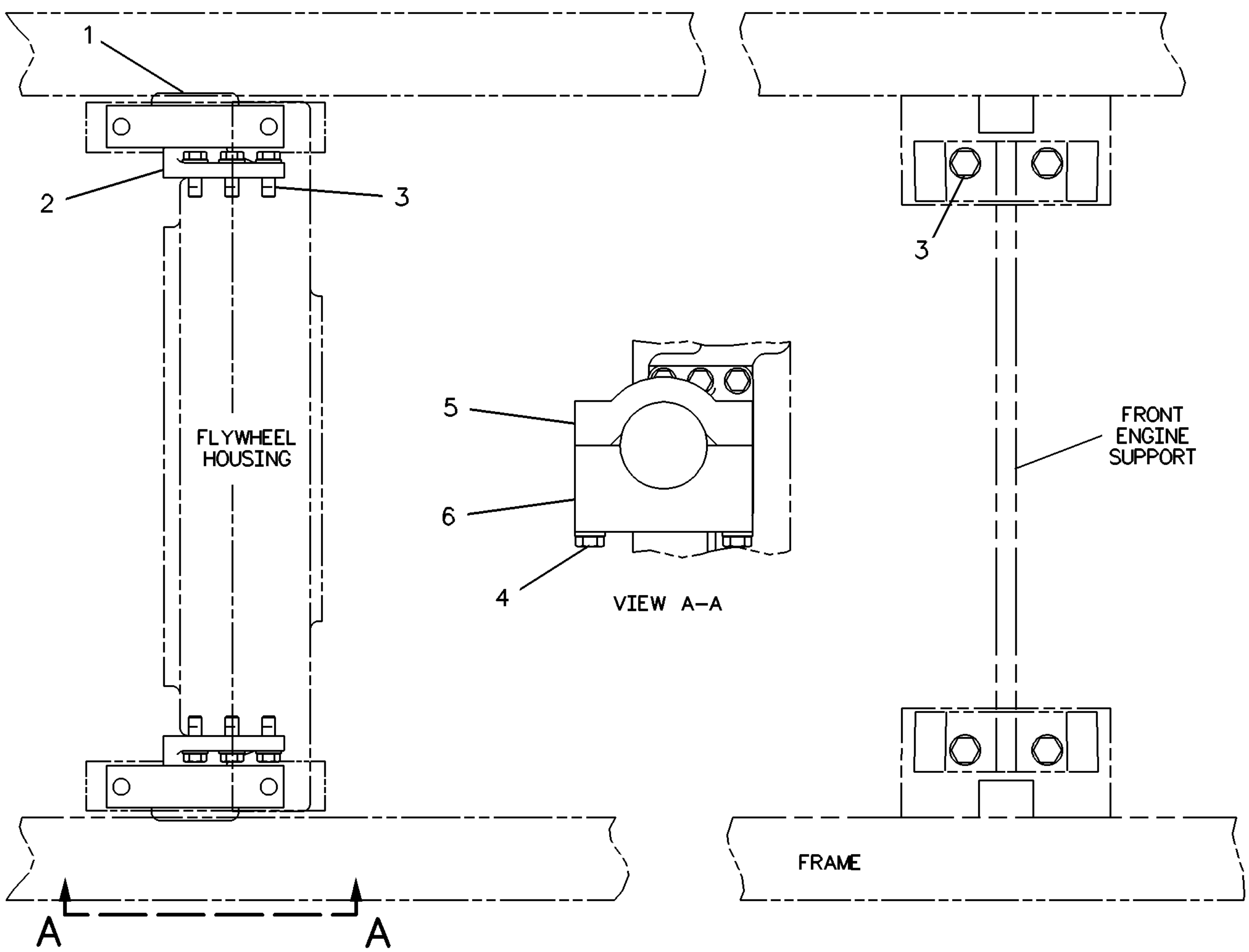
# *9Y-8837* SUPPORT GP-ENGINE

**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1152, 1153, 1154** **i00569719**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-2065** | 2 | MOUNT AS | |
| | 2 | 1 | **7E-0658** | 2 | SUPPORT-ENGINE | |
| | 3 | 1 | **0S-1589** | 18 | BOLT (5/8-11X1.75IN) | |
| | | 1 | **5P-8247** | 18 | WASHER-HARD (3.5MM THK) | |
| | 4 | 1 | **1D-5976** | 4 | BOLT (7/8-9X7IN) | |
| | | 1 | **5P-8249** | 4 | WASHER (4.0MM THK) | |
| | 5 | 1 | **7E-0660** | 2 | CAP | |
| | 6 | 1 | **7E-0659** | 2 | SUPPORT | |




GRAPHIC #1

g00222306

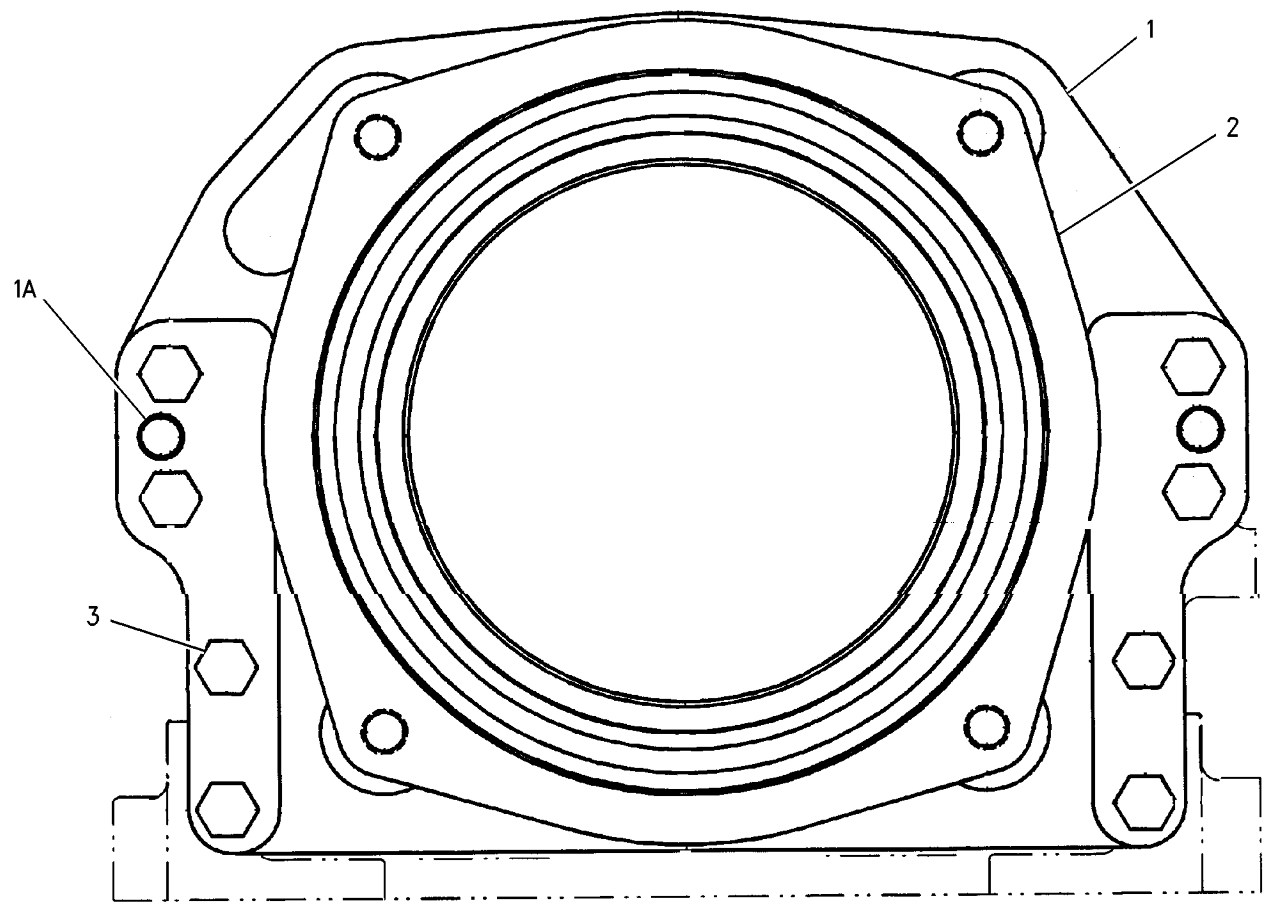
# *192-0542* TRUNNION GP-ENGINE

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1152, 1153, 1154 i01370417

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1W-3014** | 1 | ADAPTER AS | |
| | 1A | 1 | **4N-0683** | 2 | DOWEL (15.88 X 31.88MM) | |
| | 2 | 1 | **7N-1210** | 1 | MOUNT AS | |
| | 3 | 1 | **9X-8876** | 8 | BOLT (1/2-13X4.75 IN) | |




GRAPHIC #1 g00712631

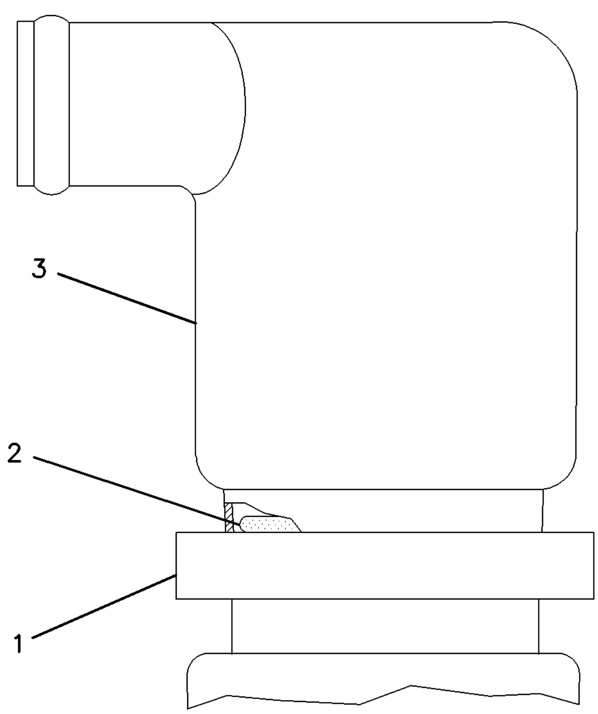
## *9Y-2989* BREATHER GP

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1317** **i00143885**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2N-8109** | 1 | CLAMP | |
| | 2 | 1 | **4F-7390** | 1 | SEAL (53.34MM ID) | |
| | 3 | 1 | **4N-4668** | 1 | BREATHER AS | |




GRAPHIC #1 g00099372

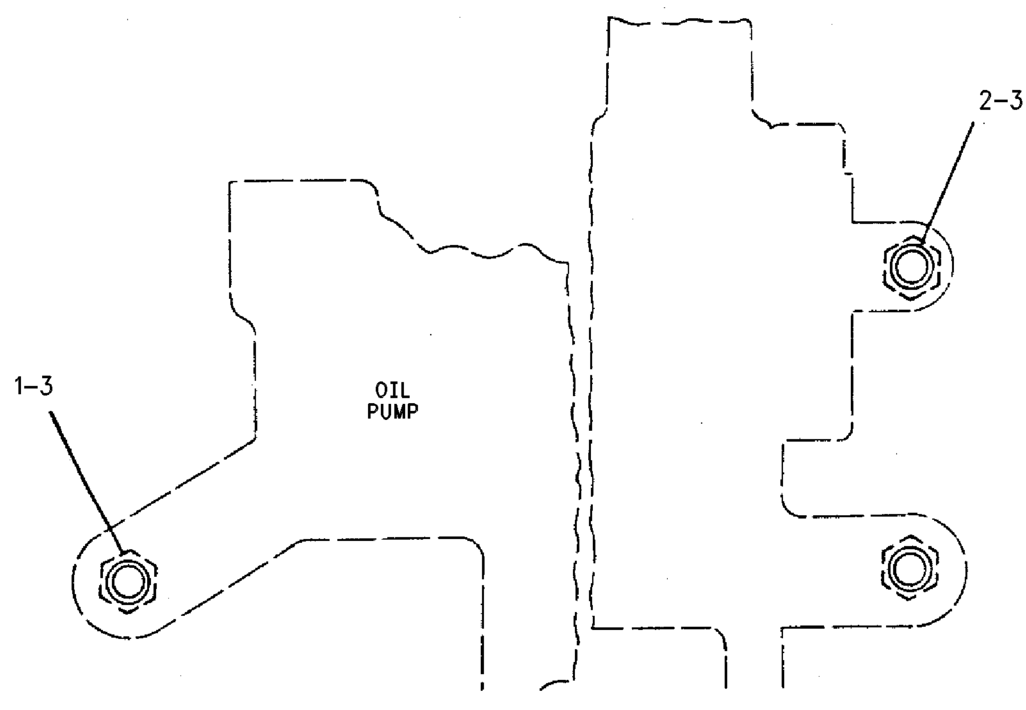
# *4N-2481* FASTENER GP-OIL PUMP MOUNTING

**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1304** **i01502981**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0L-1143** | 2 | BOLT (3/8-16X2.50 IN) | |
| | 2 | 1 | **0S-1590** | 1 | BOLT (3/8-16X2 IN) | |
| | 3 | 1 | **5M-2894** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1 g00604525

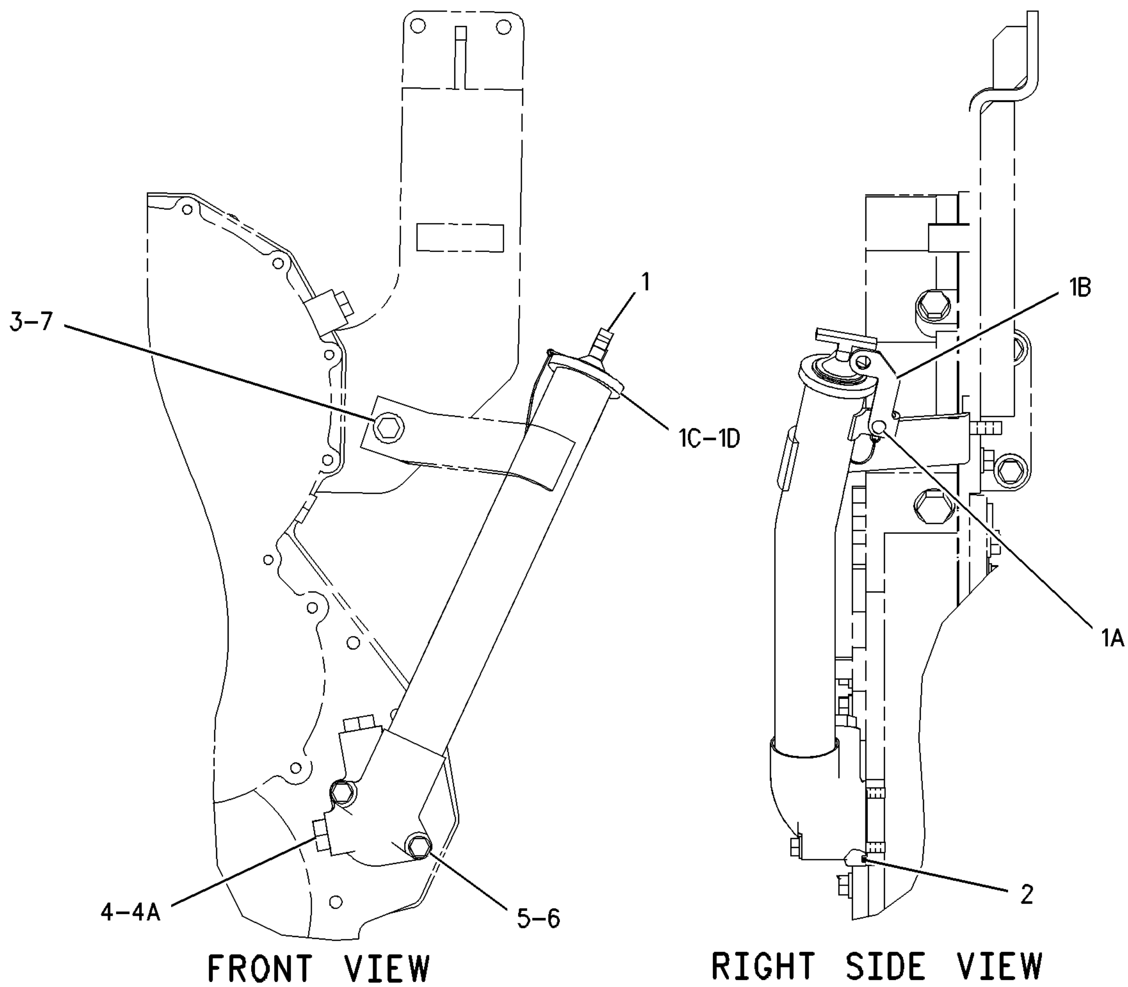
# *162-1587* FILLER GP-ENGINE OIL

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1316** **i01503030**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **162-1590** | 1 | TUBE AS-FILLER | |
| | 1A | 1 | **8S-4212** | 1 | RIVET | |
| | 1B | 1 | **162-3285** | 1 | HASP-OIL FILLER | |
| | 1C | 1 | **4P-9579** | 1 | CAP AS-FILLER | |
| | 1D | 1 | **6L-2609** | 1 | SEAL-RUBBER | |
| | 2 | 1 | **061-9455** | 1 | SEAL-O-RING | |
| | 3 | 1 | **0S-1588** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 4 | 1 | **9S-4185** | 2 | PLUG-O-RING | |
| | 4A | 1 | **3K-0360** | 2 | SEAL-O-RING | |
| | 5 | 1 | **1D-4539** | 2 | BOLT (5/16-18X2.5 IN) | |
| | 6 | 1 | **9M-1974** | 2 | WASHER-HARD (8.8X16X2MM THK) | |
| | 7 | 1 | **9X-6458** | 1 | WASHER-HARD (10.2X22.5X3MM THK) | |




GRAPHIC #1

g00757633

# MEMORANDA

# *7C-4941* FILTER GP-ENGINE OIL

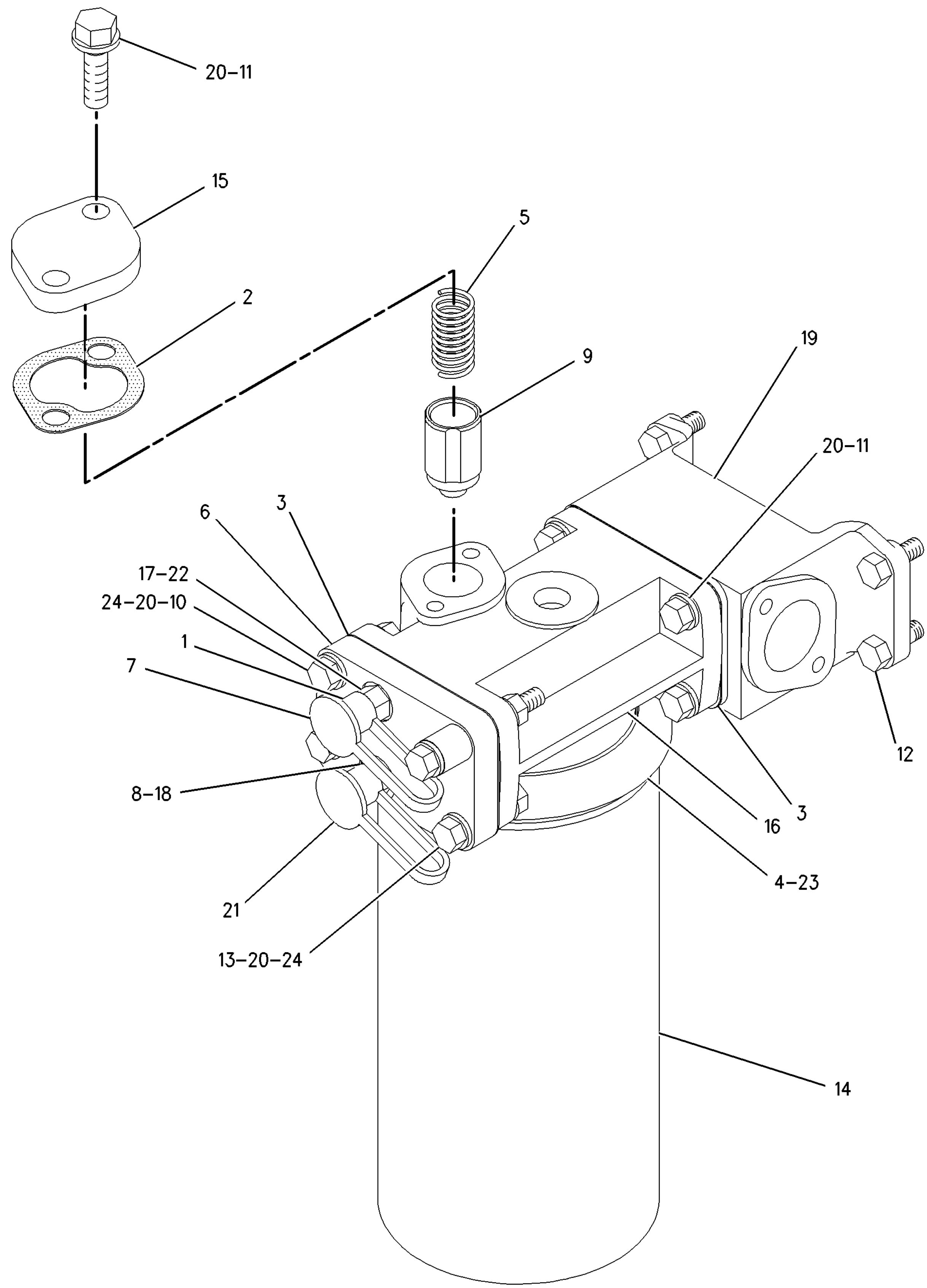
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1306, 1308, 1318** **i01502936**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2B-0941** | 1 | SPACER (10.5X19X19MM THK) | |
| | 2 | 1 | **2P-3760** | 1 | GASKET | |
| | 3 | 1 | **2P-4305** | 2 | GASKET | |
| | 4 | 1 | **4N-7082** | 1 | SHIELD-OIL FILTER | |
| | 5 | 1 | **4N-8150** | 1 | SPRING | |
| | 6 | 1 | **7C-4038** | 1 | COVER | |
| | 7 | 1 | **8C-3445** | 1 | CAP-DUST | |
| | 8 | 1 | **8C-3446** | 1 | VALVE AS-FLUID SAMPLING | |
| | 9 | 1 | **9M-0853** | 1 | PLUNGER-RELIEF VALVE | |
| | 10 | 1 | **0S-1571** | 4 | BOLT (3/8-16X1.75 IN) | |
| | 11 | 1 | **0S-1588** | 6 | BOLT (3/8-16X1.25 IN) | |
| | 12 | 1 | **0S-1594** | 4 | BOLT (3/8-16X1 IN) | |
| | 13 | 1 | **0S-1619** | 1 | BOLT (3/8-16X3 IN) | |
| | 14 | 1 | **1R-0716** | 1 | FILTER AS-ENGINE OIL | |
| | 15 | 1 | **2P-3761** | 1 | COVER | |
| | 16 | 1 | **2P-4301** | 1 | BASE AS | |
| | | 1 | **2P-4304** | 1 | STUD-TAPERLOCK | |
| | 17 | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 18 | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | 19 | 1 | **4N-0827** | 1 | ADAPTER-FILTER | |
| | 20 | 1 | **5M-2894** | 14 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 21 | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 22 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 23 | 1 | **7F-9090** | 2 | SCREW-DRIVE (NO 8X3/8 IN) | |
| | 24 | 1 | **9S-8752** | 4 | NUT-FULL (3/8-16 THD) | |

*7C-4941* **FILTER GP-ENGINE OIL** ***(contd.)*** **i01502936**




GRAPHIC #1

g00737689

# *161-2428* FUMES DISPOSAL GP

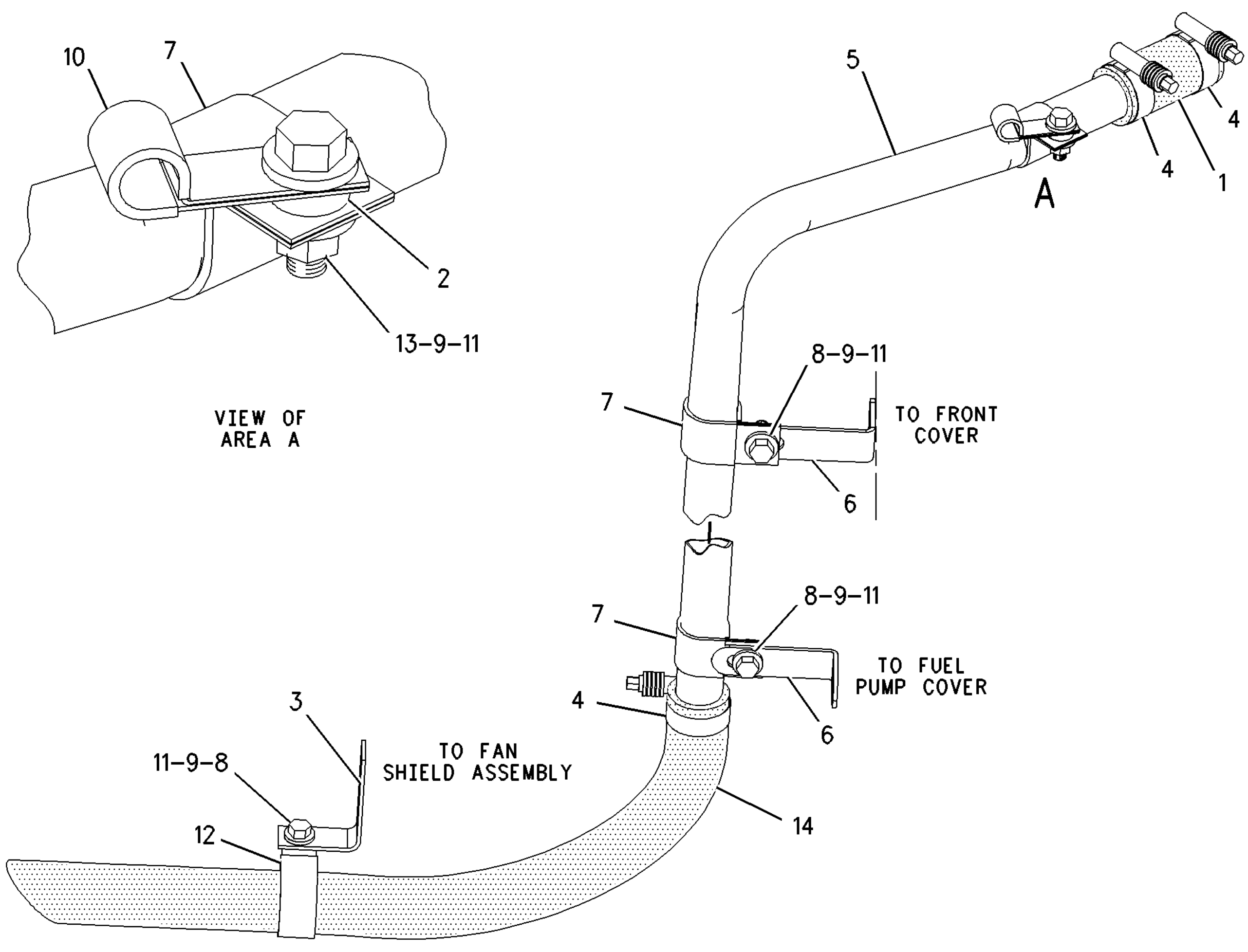
S/N: AKA1-UP

PART OF 159-5908 INSTALLATION AR-ENGINE

SMCS-1317 i01442997

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **5P-1255** | | HOSE (9CM) | |
| | 2 | 1 | **2F-4967** | 1 | SPACER (5.54MM LG X 19.05MM DIA) | |
| | 3 | 1 | **4N-7250** | 1 | SUPPORT | |
| | 4 | 1 | **8T-4983** | 3 | CLAMP-HOSE | |
| | 5 | 1 | **161-3928** | 1 | TUBE | |
| | 6 | 1 | **161-6612** | 2 | BRACKET | |
| | 7 | 1 | **4D-7388** | 3 | CLIP | |
| | 8 | 1 | **4L-6454** | 3 | BOLT (3/8-16X1 IN) | |
| | 9 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 10 | 1 | **6K-8178** | 1 | CLIP | |
| | 11 | 1 | **6V-8801** | 4 | NUT (3/8-16 THD) | |
| | 12 | 1 | **7D-1553** | 1 | CLIP | |
| | 13 | 1 | **9B-7237** | 1 | BOLT (3/8-16X1.25 IN) | |
| E | 14 | 1 | **5P-1255** | | HOSE (63CM) | |

E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00756480

# MEMORANDA

# *161-2423* GAUGE GP-OIL LEVEL (DIPSTICK)

**S/N: BET1-UP**

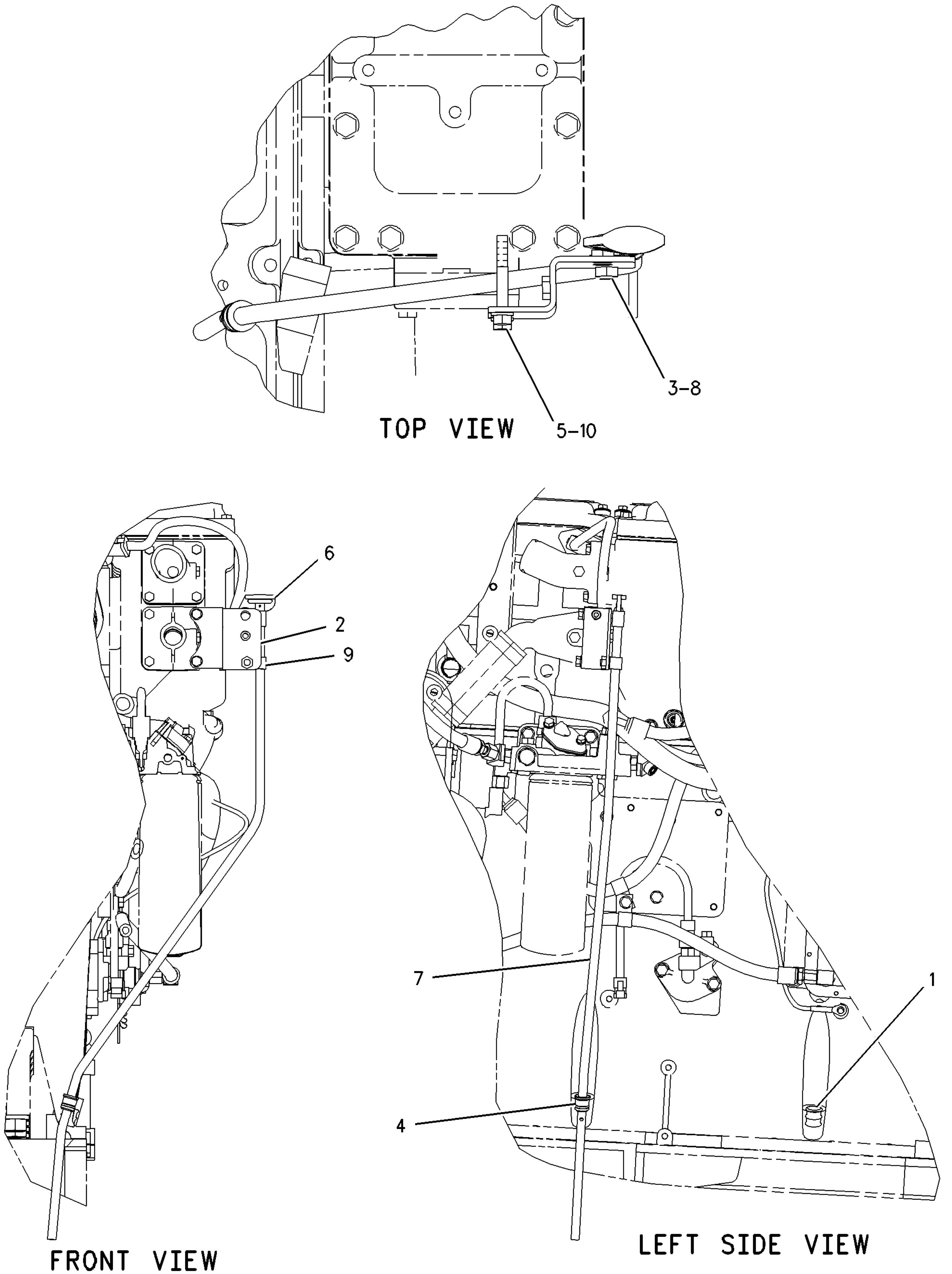
**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1326** **i01488639**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| J | 1 | 1 | **165-6170** | 3 | PLUG | |
| | 2 | 1 | **199-4028** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **4K-9097** | 1 | NUT-WELD (5/16-18 THD) | |
| | 3 | 1 | **0S-0509** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 4 | 1 | **118-5068** | 1 | SEAL-O-RING | |
| | 5 | 1 | **1D-4538** | 2 | BOLT (5/16-18X2.25IN) | |
| | 6 | 1 | **202-9750** | 1 | GAUGE AS-OIL LEVEL (DIPSTICK) | |
| | 7 | 1 | **202-9751** | 1 | GUIDE AS-GAUGE | |
| | 8 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 9 | 1 | **8M-2770** | 1 | CLIP | |
| | 10 | 1 | **9M-1974** | 2 | WASHER-HARD (8.8X16X2MM THK) | |

J-USE TO PLUG OPTIONAL DIPSTICK LOCATIONS

*161-2423* **GAUGE GP-OIL LEVEL (DIPSTICK)** ***(contd.)*** **i01488639**




GRAPHIC #1

g00774005

# 4W-3821 LINES GP-ENGINE OIL

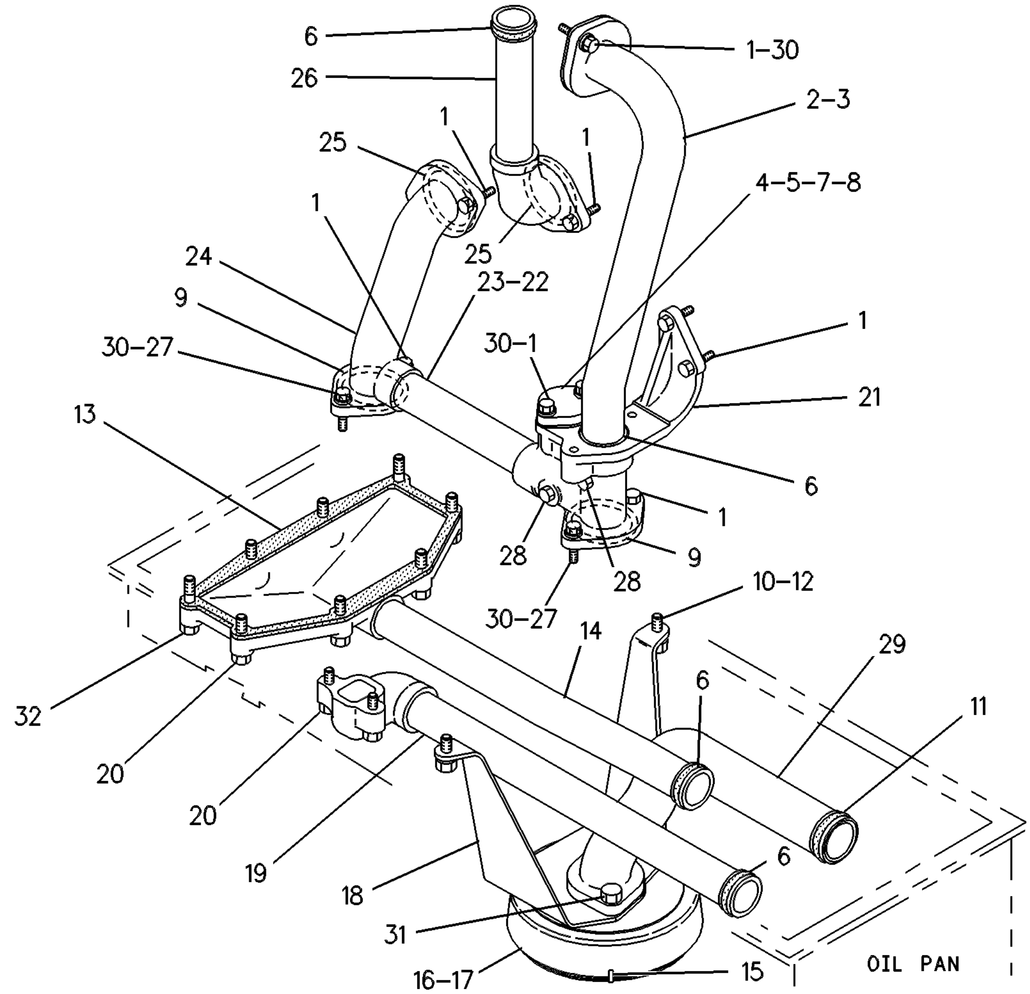
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

SMCS-1307 i00570539

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | 0S-1594 | 12 | BOLT (3/8-16X1IN) | |
| | 2 | 1 | 1W-6135 | 1 | TUBE AS-OIL FILTER INLET | |
| | 3 | 1 | 4N-0933 | 1 | GASKET | |
| | 4 | 1 | 2P-3761 | 1 | COVER | |
| | 5 | 1 | 2P-3760 | 1 | GASKET | |
| | 6 | 1 | 109-0078 | 4 | SEAL-O-RING (33.47MM ID) | |
| | 7 | 1 | 4N-8150 | 1 | SPRING | |
| | 8 | 1 | 1P-1367 | 1 | PLUNGER | |
| | 9 | 1 | 109-0076 | 2 | SEAL-O-RING (50.17MM ID) | |
| | 10 | 1 | 0L-1351 | 2 | BOLT (3/8-16X.875IN) | |
| | 11 | 1 | 109-0072 | 1 | SEAL-O-RING (40.64MM ID) | |
| | 12 | 1 | 9X-6458 | 2 | WASHER-HARD (3MM THK) | |
| | 13 | 1 | 4N-7489 | 1 | SCREEN-INLET | |
| | 14 | 1 | 4N-7497 | 1 | TUBE AS-INLET | |
| | 15 | 1 | 4N-0914 | 1 | CLIP (SUCTION SCREEN) | |
| | 16 | 1 | 4N-0913 | 1 | SCREEN AS-BELL | |
| | 17 | 1 | 8N-2104 | 1 | BELL AS-SUCTION | |
| | | 1 | 9F-2978 | 2 | NUT-WELD (3/8-16 THD) | |
| | 18 | 1 | 4N-6229 | 1 | SUPPORT-BELL | |
| | 19 | 1 | 4N-0995 | 1 | TUBE AS | |
| | 20 | 1 | 0S-1591 | 8 | BOLT (3/8-16X1.5IN) | |
| | 21 | 1 | 4N-1215 | 1 | BODY-COOLER BYPASS | |
| | 22 | 1 | 2N-3350 | 2 | SEAL-O-RING | |
| | 23 | 1 | 4N-1216 | 1 | TUBE-COOLER BYPASS | |
| | 24 | 1 | 4N-0826 | 1 | ELBOW-COOLER INLET | |
| | 25 | 1 | 109-0073 | 2 | SEAL-O-RING (43.82MM ID) | |
| | 26 | 1 | 1W-6137 | 1 | TUBE AS | |
| | 27 | 1 | 0S-1588 | 2 | BOLT (3/8-16X1.25IN) | |
| | 28 | 1 | 5M-6213 | 2 | PLUG | |
| | 29 | 1 | 4N-6228 | 1 | PIPE AS-PUMP SUCTION | |
| | 30 | 1 | 5M-2894 | 6 | WASHER (2.5MM THK) | |
| | 31 | 1 | 1A-2029 | 2 | BOLT (3/8-16X1.125IN) | |
| | 32 | 1 | 0S-1590 | 2 | BOLT (3/8-16X2IN) | |

*4W-3821* **LINES GP-ENGINE OIL** ***(contd.)*** **i00570539**




GRAPHIC #1 g00255085

# *156-8544* LINES GP-TURBOCHARGER OIL

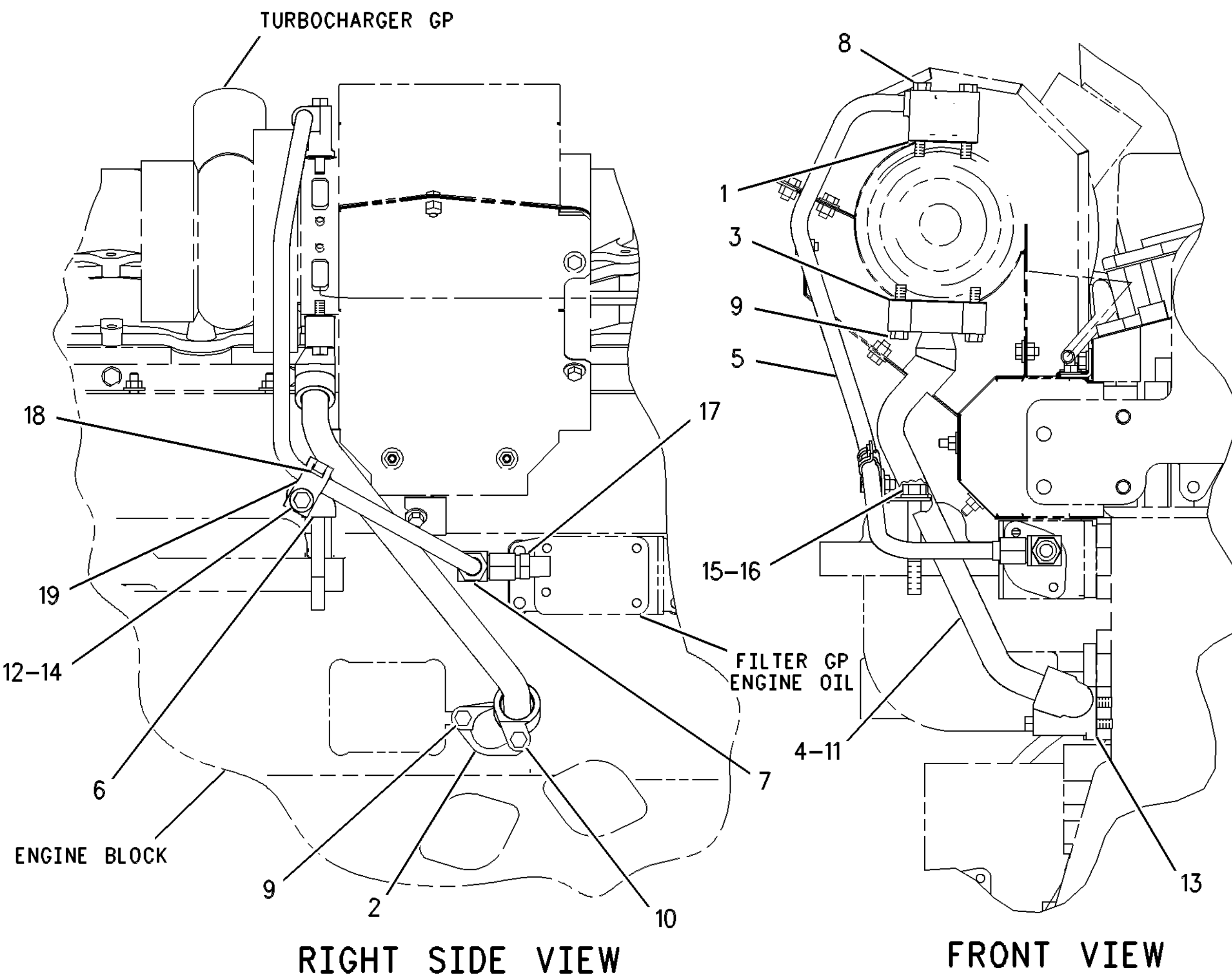
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1052, 1307** **i01445066**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4H-9541** | 1 | GASKET | |
| | 2 | 1 | **4N-2040** | 1 | ELBOW-DRAIN | |
| | 3 | 1 | **7N-7559** | 1 | GASKET | |
| | 4 | 1 | **156-8560** | 1 | TUBE AS | |
| | 5 | 1 | **156-8562** | 1 | TUBE AS | |
| | 6 | 1 | **156-9270** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **030-7972** | 1 | ELBOW | |
| | 8 | 1 | **0L-1143** | 2 | BOLT (3/8-16X2.50 IN) | |
| | 9 | 1 | **0S-1571** | 3 | BOLT (3/8-16X1.75 IN) | |
| | 10 | 1 | **0S-1619** | 1 | BOLT (3/8-16X3 IN) | |
| | 11 | 1 | **114-2687** | 1 | SEAL-O-RING (23.16MM ID) | |
| | 12 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 13 | 1 | **4N-0699** | 1 | GASKET | |
| | 14 | 1 | **5P-1075** | 1 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 15 | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 16 | 1 | **8T-9391** | 1 | BOLT (1/2-13X3.75IN) | |
| | 17 | 1 | **9M-6522** | 1 | CONNECTOR-FLARED | |
| | 18 | 1 | **9R-1004** | 1 | CLIP (TAB) | |
| | 19 | 1 | **9R-1005** | 1 | CLIP (SLOT) | |

*156-8544* **LINES GP-TURBOCHARGER OIL** ***(contd.)*** **i01445066**




GRAPHIC #1

g00531962

# *159-6161* OIL CHANGE GP-HIGH SPEED

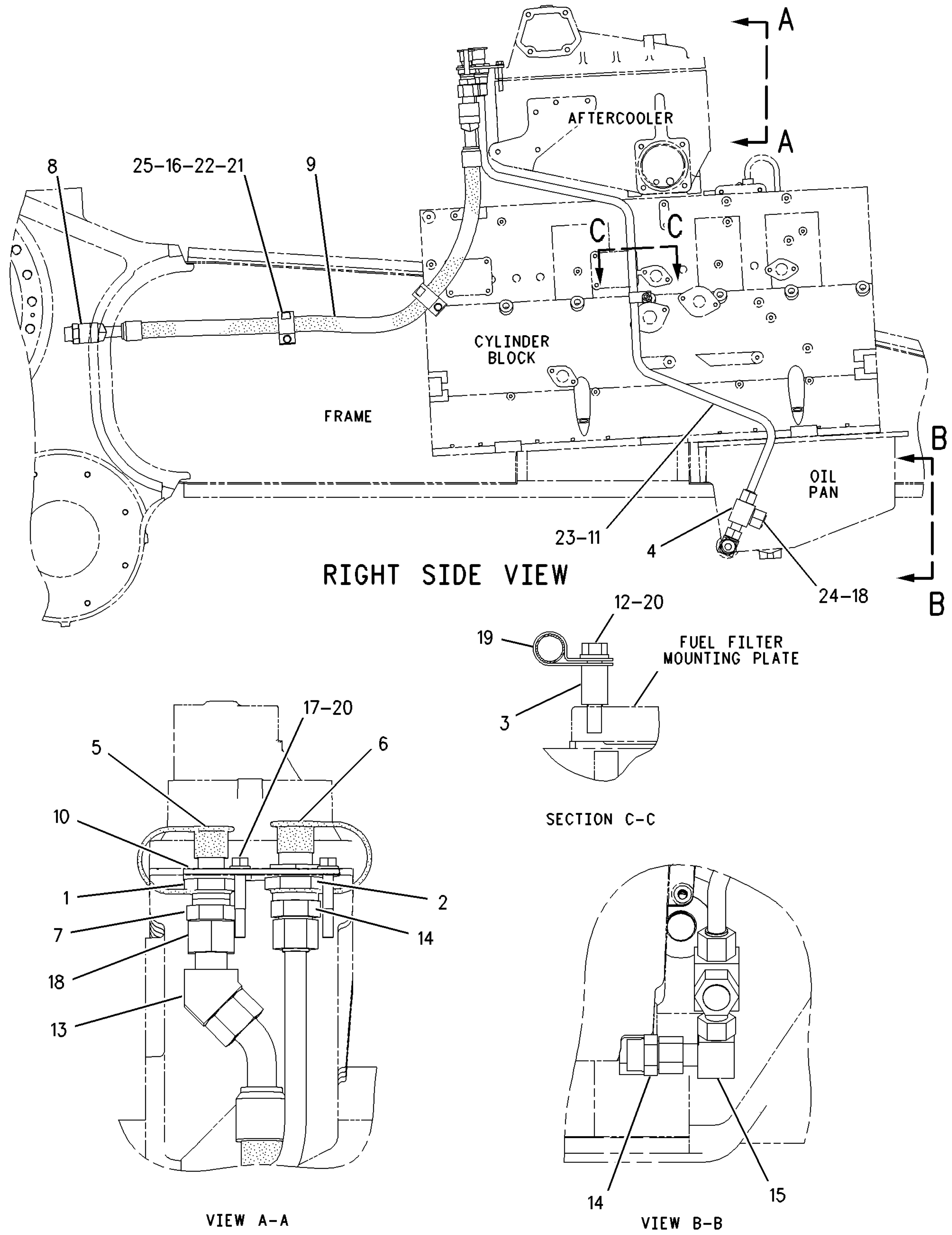
S/N: AKA1-UP

SMCS-1325 i01475971

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2P-1286** | 1 | LOCKNUT-BULKHEAD (1-5/16-12 THD) | |
| | 2 | 1 | **2V-2043** | 1 | LOCKNUT-FLARED (1-5/8-12 THD) | |
| | 3 | 1 | **8B-0544** | 1 | SPACER (1 IN THK) | |
| | 4 | 1 | **9X-2235** | 1 | TEE-SWIVEL | |
| | 5 | 1 | **110-8319** | 1 | RECEIVER AS (POWER TRAIN OIL) | |
| | | 1 | **110-8318** | 1 | CAP (POWER TRAIN OIL RECEIVER) | |
| | 6 | 1 | **110-8827** | 1 | RECEIVER AS (ENGINE OIL) | |
| | | 1 | **110-8826** | 1 | CAP (ENGINE OIL RECEIVER) | |
| | 7 | 1 | *148-8317* | 1 | CONNECTOR GP | |
| | | 1 | **3D-2824** | 1 | SEAL-O-RING | |
| | | 1 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8714** | 1 | CONNECTOR | |
| | 8 | 1 | *148-8355* | 1 | ELBOW GP | |
| | | 1 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9005** | 1 | ELBOW | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| I | 9 | 1 | **162-7122** | 1 | HOSE AS | |
| | 10 | 1 | **162-7586** | 1 | BRACKET | |
| | 11 | 1 | **195-8510** | 1 | TUBE AS | |
| | 12 | 1 | **0S-1590** | 1 | BOLT (3/8-16X2 IN) | |
| | 13 | 1 | **142-0038** | 1 | ELBOW | |
| | 14 | 1 | *148-8339* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-8716** | 1 | CONNECTOR | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 15 | 1 | *148-8392* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9853** | 1 | ELBOW-SWIVEL | |
| | 16 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 17 | 1 | **4L-6459** | 2 | BOLT (3/8-16X2.5 IN) | |
| | 18 | 1 | **5K-9090** | 2 | SEAL-O-RING | |
| | 19 | 1 | **5K-9660** | 1 | CLIP | |
| | 20 | 1 | **5M-2894** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 21 | 1 | **6V-2381** | 2 | CLIP (SLOT) | |
| | 22 | 1 | **6V-2382** | 2 | CLIP (TAB) | |
| | 23 | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | 24 | 1 | **6V-9833** | 1 | CAP AS | |
| | 25 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

I-SEE HOSE FABRICATION GUIDE

*159-6161* **OIL CHANGE GP-HIGH SPEED** ***(contd.)*** **i01475971**




GRAPHIC #1 g00758995

# LUBRICATION SYSTEM

## *161-8142* PRELUBRICATION AR-ENGINE

S/N: AKA1-UP

SMCS-1319 i01496638

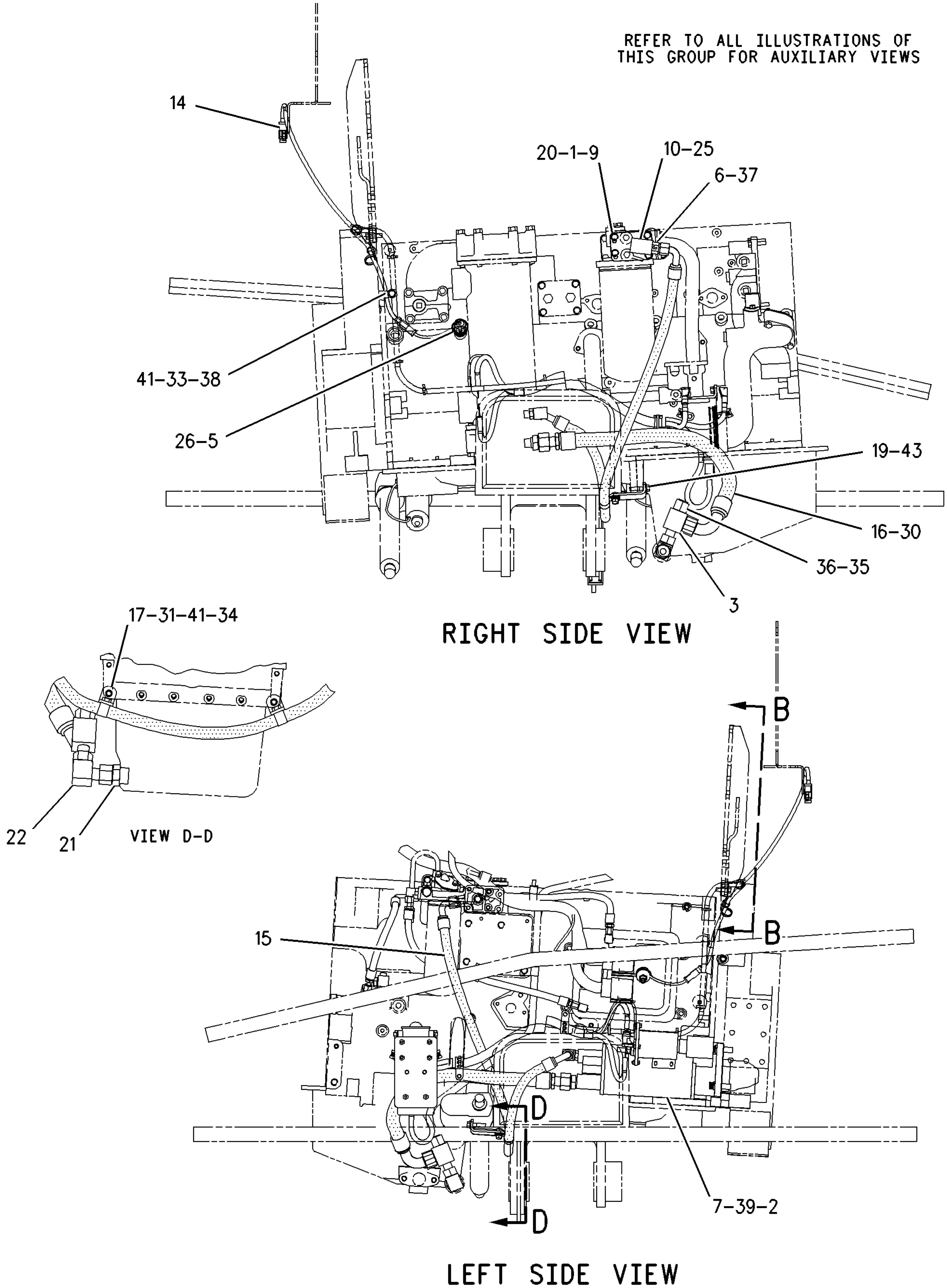
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2P-4305** | 1 | GASKET | |
| | 2 | 1 | **4N-1059** | 1 | GASKET | |
| | 3 | 1 | **9X-2235** | 1 | TEE-SWIVEL | |
| | 4 | 2 | **9X-6772** | 11 | STRAP-CABLE | |
| | 5 | 1 | **105-9152** | 1 | SWITCH AS-PRESSURE (ENGINE OIL) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| I | | 1 | **186-4087** | 1 | HOSE AS | |
| | 6 | 1 | **123-5150** | 1 | VALVE-CHECK (ENGINE OIL TEMPERATURE) | |
| Y | 7 | 1 | **124-9780** | 1 | STARTING MOTOR GP-PRELUB SYS | 280 |
| | 8 | 2 | **125-0473** | 1 | FILM-NOTICE (PRE-LUBRICATION PUMP) | |
| | 9 | 1 | **127-5084** | 1 | COVER | |
| | 10 | 1 | **129-2327** | 1 | ELBOW | |
| | 11 | 2 | **140-3108** | 1 | TIMER | |
| | 12 | 2 | **177-4308** | 1 | PLATE AS | |
| | | 2 | **9F-6445** | 6 | NUT-WELD (1/4-20 THD) | |
| | 13 | 2 | **179-0006** | 1 | SWITCH AS-MAGNETIC (PRE-LUBRICATION TIMER) | |
| | | 2 | **1B-2578** | 2 | NUT (3/8-16 THD) | |
| | | 2 | **4D-1326** | 2 | LOCKWASHER | |
| | | 2 | **4L-6499** | 2 | WASHER (0.38X0.88X0.02 IN THK) | |
| | | 2 | **6V-8378** | 2 | NUT (10-32 THD) | |
| | | 2 | **7X-0620** | 2 | WASHER-HARD (5.5X13X1.6MM THK) | |
| | | 2 | **8F-1434** | 2 | LOCKWASHER | |
| | 14 | 1 | **183-8374** | 1 | HARNESS AS (PRELUBE) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2274** | 1 | KIT-CONNECTING PLUG (6 PIN) | |
| | | | | | (EACH KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 15 | 1 | **195-8666** | 1 | HOSE AS | |
| | 16 | 1 | **195-8667** | 1 | HOSE AS | |
| | 17 | 1 | **195-9324** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 18 | 2 | **3S-2093** | 2 | STRAP-CABLE | |
| | 19 | 1 | **0S-1571** | 2 | BOLT (3/8-16X1.75 IN) | |
| | 20 | 1 | **0S-1590** | 4 | BOLT (3/8-16X2 IN) | |
| | 21 | 1 | *148-8339* | 1 | CONNECTOR GP | |
| | | 1 | **6V-8716** | 1 | CONNECTOR | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 22 | 1 | *148-8392* | 1 | ELBOW GP | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9853** | 1 | ELBOW-SWIVEL | |
| | 23 | 2 | *150-4048* | 1 | ELBOW AS | |
| | | 2 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 2 | **7J-9108** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8722** | 1 | ELBOW | |
| | 24 | 2 | *153-6230* | 1 | CONNECTOR GP | |
| | | 2 | **2M-9780** | 1 | SEAL-O-RING | |
| | | 2 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 2 | **8T-9386** | 1 | CONNECTOR | |
| | 25 | 1 | **2M-9780** | 2 | SEAL-O-RING | |
| | 26 | 1 | **3B-7721** | 1 | BUSHING-REDUCER | |
| | 27 | 2 | **4M-5281** | 4 | BOLT (1/4-20X0.750 IN) | |

## *161-8142* **PRELUBRICATION AR-ENGINE** *(contd.)* **i01496638**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 28 | 2 | **4P-7581** | 3 | CLIP | |
| | 29 | 2 | **4P-8134** | 1 | CLIP | |
| | 30 | 1 | **5K-9090** | 1 | SEAL-O-RING | |
| | 31 | 1,2 | **5M-3062** | 5 | BOLT (3/8-16X0.75 IN) | |
| | 32 | 2 | **5P-4115** | 2 | WASHER-HARD (7.2X19X2MM THK) | |
| | 33 | 1 | **5P-8167** | 1 | BOLT (3/8-16X0.625 IN) | |
| | 34 | 1 | **6D-4244** | 2 | CLIP | |
| | 35 | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | 36 | 1 | **6V-9832** | 1 | CAP AS | |
| | 37 | 1 | **7J-9108** | 1 | SEAL-O-RING | |
| | 38 | 1 | **8M-2772** | 1 | CLIP | |
| | 39 | 1 | **8S-2332** | 3 | BOLT-12 POINT HEAD (5/8-11X1.75 IN) | |
| | 40 | 2 | **8T-4205** | 4 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 41 | 1,2 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 42 | 2 | **8T-9367** | 2 | BOLT (1/4-20X2 IN) | |
| | 43 | 1 | **9X-6458** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 44 | 2 | **9X-6772** | 1 | STRAP-CABLE | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

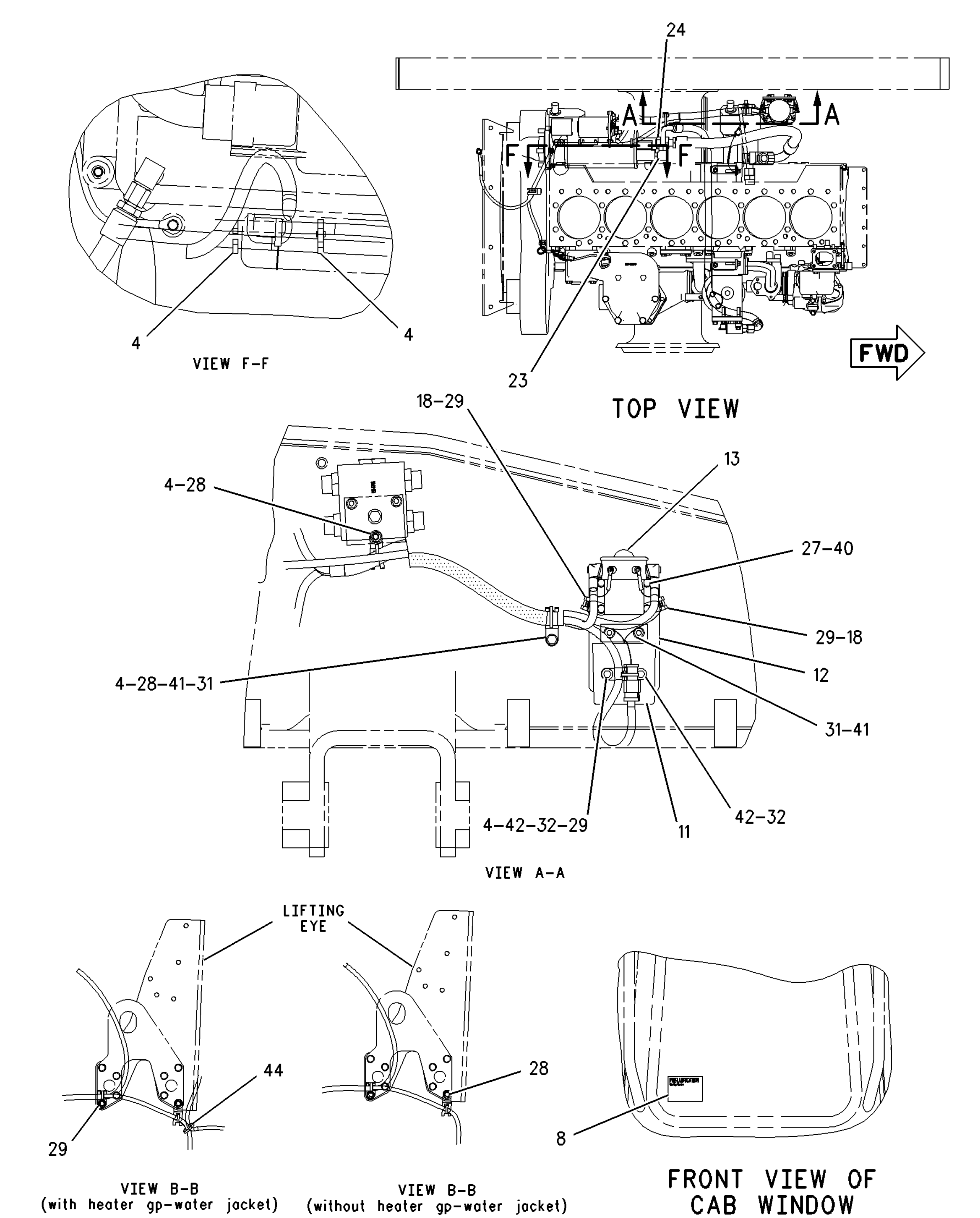
*161-8142* **PRELUBRICATION AR-ENGINE** ***(contd.)*** **i01496638**




GRAPHIC #1

g00758784

*161-8142* **PRELUBRICATION AR-ENGINE** ***(contd.)*** **i01496638**




GRAPHIC #2

g00759241

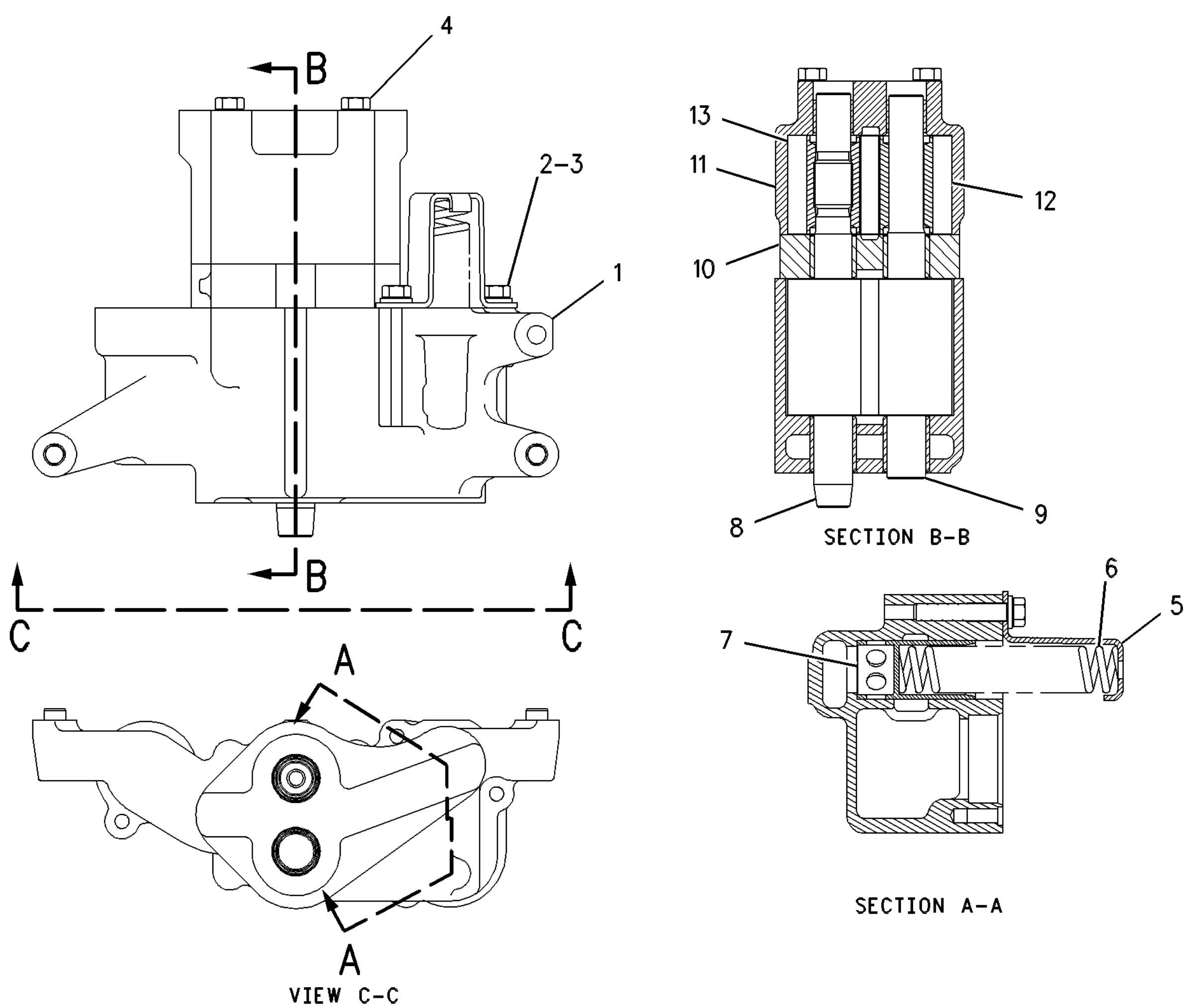
# 161-4112 PUMP GP-ENGINE OIL

S/N: BET1-UP

PART OF 160-0566 ENGINE AR-CORE

SMCS-1304, 1315 i01223987

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4N-0513** | 1 | BODY AS-OIL PUMP | |
| | | 1 | **7N-2156** | 2 | BEARING-SLEEVE (27.013MM OD) | |
| | | 1 | **8M-8489** | 2 | DOWEL (12.54MM DIA) | |
| | 2 | 1 | **1M-0644** | 2 | BOLT (3/8-16X2-1/4 IN) | |
| | 3 | 1 | **5M-2894** | 2 | WASHER (2.5MM THK) | |
| | 4 | 1 | **5F-4899** | 4 | BOLT (3/8-16X5.5IN) | |
| | 5 | 1 | **9Y-1800** | 1 | RETAINER | |
| | 6 | 1 | **2S-2760** | 1 | SPRING | |
| | 7 | 1 | **6N-1931** | 1 | PLUNGER-RELIEF | |
| | 8 | 1 | **162-2679** | 1 | SHAFT AS-PUMP | |
| | 9 | 1 | **162-2682** | 1 | SHAFT AS-PUMP | |
| | 10 | 1 | **4N-5339** | 1 | SPACER AS-OIL PUMP | |
| | 11 | 1 | **4N-0587** | 1 | BODY AS-PUMP | |
| | 12 | 1 | **7W-6529** | 1 | GEAR | |
| | 13 | 1 | **7W-7142** | 1 | GEAR | |




GRAPHIC #1 g00547589

# *7W-2206* COOLER GP-ENGINE OIL

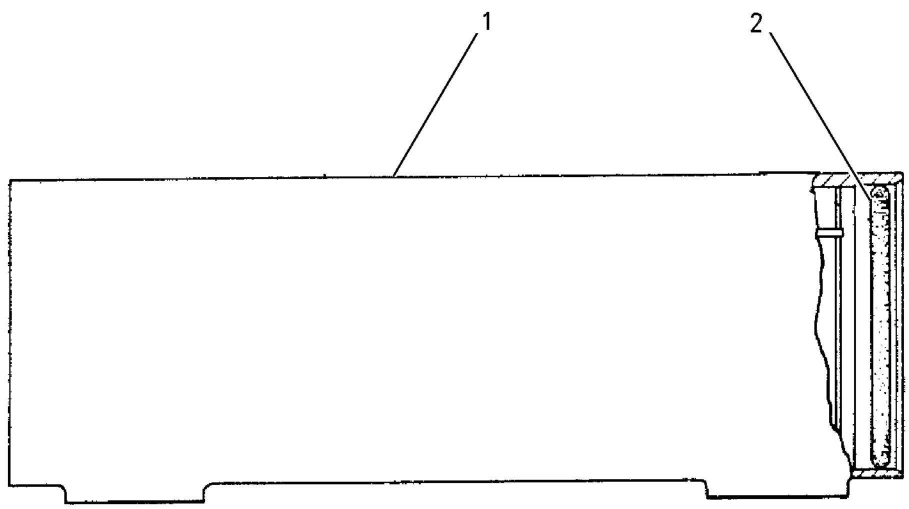
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1378** **i01503055**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| R | 1 | 1 | **7C-3039** | 1 | CORE AS | |
| | 2 | 1 | **109-0077** | 2 | SEAL-O-RING | |

R-REMFG PART MAY BE AVAILABLE




GRAPHIC #1

g00604532

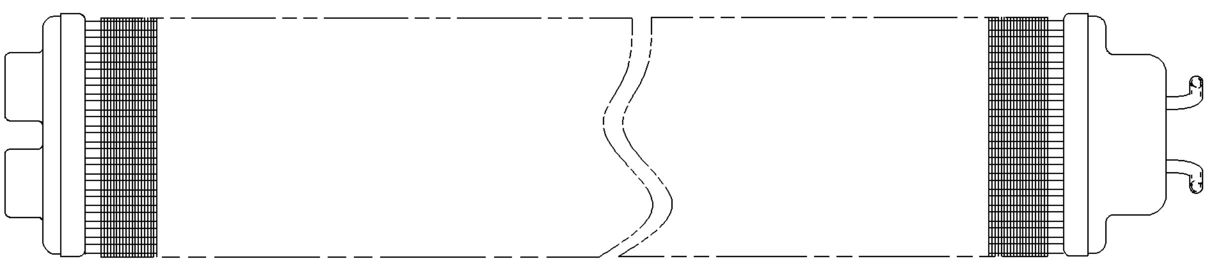
# *163-4061* CORE AS-RADIATOR

S/N: AKA1-UP

PART OF 189-0971 RADIATOR AR, 143-7740 WOODCHIP AR

SMCS-1353 i01488565

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | | | | (NO SERVICED PARTS) | |



GRAPHIC #1 g00694696

# *163-4062* CORE AS-RADIATOR

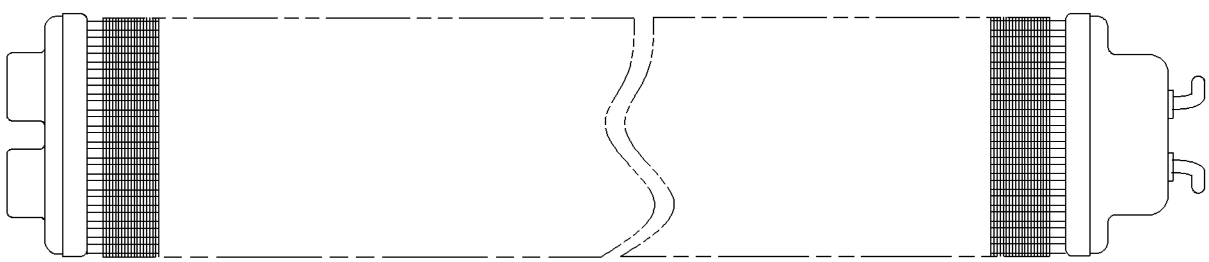
S/N: AKA1-UP

6 ROW

PART OF 189-0971 RADIATOR AR, 143-7740 WOODCHIP AR

SMCS-1353 i01488571

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | | | | (NO SERVICED PARTS) | |



GRAPHIC #1 g00694706

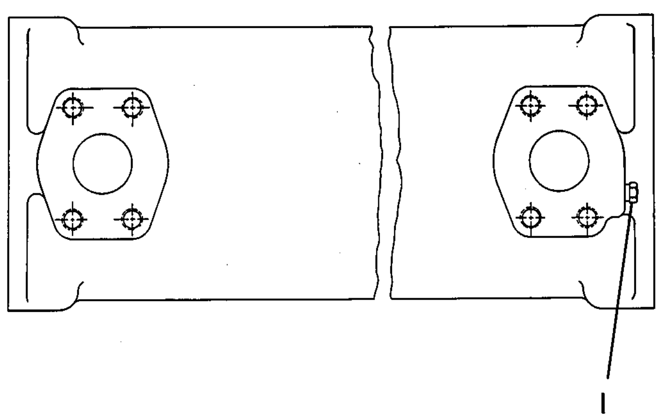
## 4W-9822 CORE GP-OIL COOLER*R

S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1374, 1375, 1378 | i00570568

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5M-6214** | 1 | PLUG-PIPE (1/8-27 THD) | |




GRAPHIC #1 g00177858

## *124-4818* FAN AR-EJECTOR

**S/N: AKA1-UP**

**SMCS-1356** **i01223561**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *125-8523* | 1 | DRIVE GP-FAN | 40 |
| Y | *124-7521* | 1 | FAN GP-EJECTOR | 103 |
| Y | *124-7520* | 1 | RADIATOR GP | 124 |

Y-SEPARATE ILLUSTRATION

## *143-7770* FAN AR-VARIABLE

**S/N: AKA1-UP**

**PART OF 189-0971 RADIATOR AR**

**SMCS-1356** **i01488588**

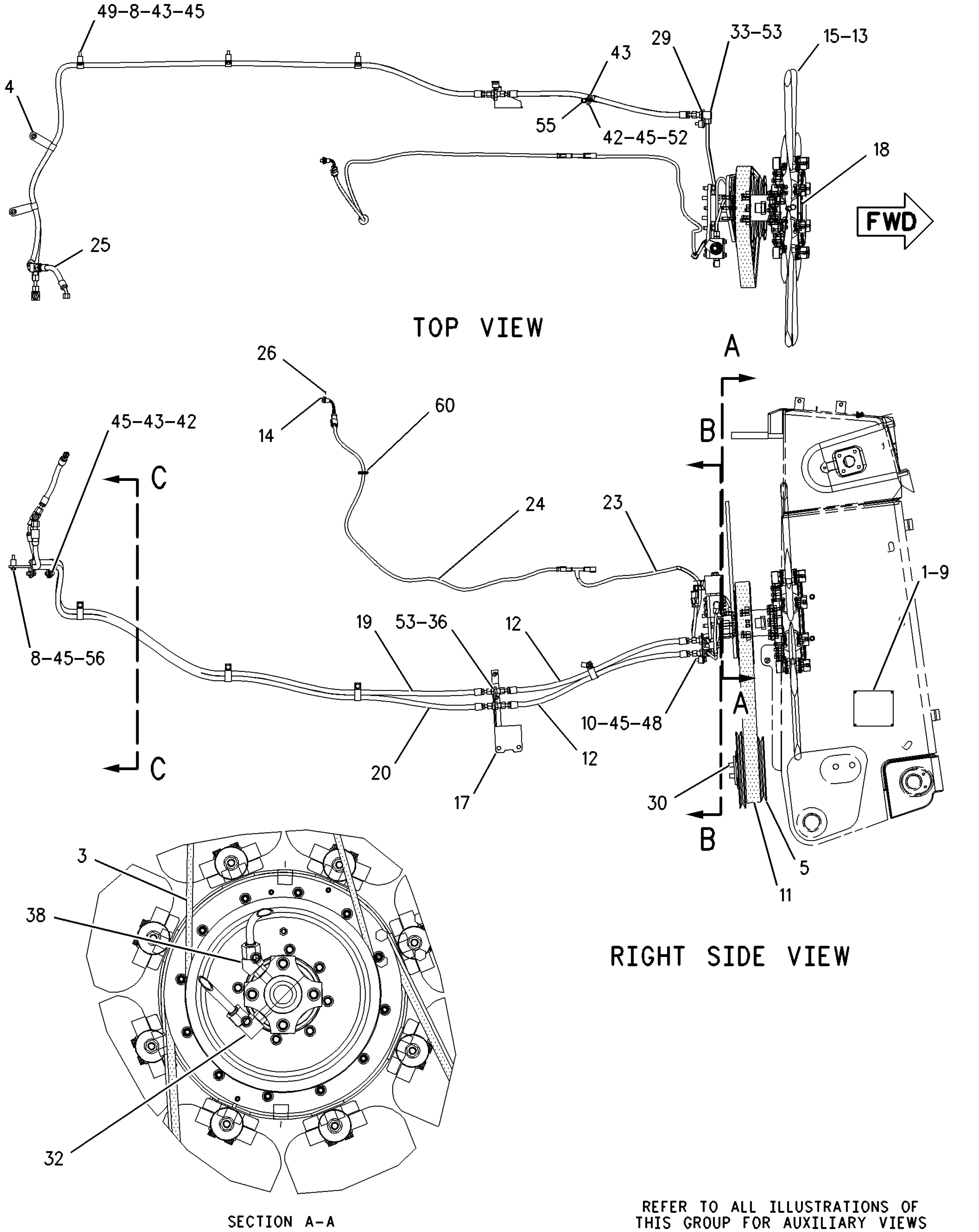
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Q-3613** | 2 | PLATE-WARNING (ENGINE FAN) | |
| Y | 2 | 2 | **3E-9205** | 1 | VALVE GP-SOLENOID (VARIABLE BLADE PITCH) | 671 |
| B | 3 | 1 | **3S-3964** | 1 | V-BELT (A/C COMPRESSOR) | |
| | 4 | 1 | **4P-8221** | 2 | BRACKET AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 5 | 1 | **4W-8595** | 1 | PULLEY-CRANKSHAFT | |
| | 6 | 2 | **7I-1189** | 1 | ORIFICE AS | |
| | 7 | 2 | **6T-9559** | 1 | MANIFOLD | |
| | 8 | 1 | **7C-8246** | 3 | SPACER (10.5X20X24MM THK) | |
| | 9 | 1 | **8T-9530** | 8 | TACK-FASTENER | |
| | 10 | 1 | **8T-2501** | 2 | BOLT (3/8-16X2 IN) | |
| | 11 | 1 | **9Q-3668** | 1 | V-BELT-BANDED (ENGINE FAN) | |
| | 12 | 2 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 13 | 1 | **114-4698** | 32 | BOLT (3/8-16X1 IN) | |
| | 14 | 1 | **133-9405** | 1 | SWITCH AS-PUSH BUTTON (TEMPERATURE CONTROL) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **3K-0835** | 1 | NUT (5/8-24 THD) | |
| | | 1 | **6F-0253** | 1 | LOCKWASHER | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| J | 15 | 1 | **194-6835** | 8 | BLADE AS | |
| | 16 | 2 | **157-7017** | 1 | BRACKET AS | |
| | | 2 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | | 2 | **7T-1099** | 1 | LINK | |
| | 17 | 1 | **159-9376** | 1 | PLATE | |
| | 18 | 1 | **157-2389** | 1 | HUB AS | |
| I | 19 | 1 | **143-7772** | 1 | HOSE AS (DRAIN) | |
| I | 20 | 1 | **164-2963** | 1 | HOSE AS (PRESSURE) | |
| | 21 | 2 | **157-7122** | 1 | TUBE AS | |
| | 22 | 2 | **157-7022** | 1 | TUBE AS | |
| | 23 | 1 | **173-3207** | 1 | HARNESS AS | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 24 | 1 | **173-3208** | 1 | WIRE AS | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| I | 25 | 1 | **173-3209** | 1 | HOSE AS | |
| | 26 | 1 | **192-9742** | 1 | FILM-IDENTIFICATION (CLEANING) | |
| | 27 | 2 | **191-8280** | 1 | TUBE AS | |
| | 28 | 2 | **191-8281** | 1 | TUBE AS | |
| | 29 | 2 | **191-8282** | 1 | PLATE | |
| | 30 | 1 | **0S-1566** | 4 | BOLT (5/8-11X1.5 IN) | |
| | 31 | 2 | *148-8336* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8636** | 1 | CONNECTOR | |
| | 32 | 2 | *148-8361* | 1 | ELBOW GP | |

## *143-7770* **FAN AR-VARIABLE** *(contd.)* i01488588

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 2 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9200** | 1 | ELBOW (90 DEGREE) | |
| | 33 | 2 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 34 | 2 | *148-8378* | 1 | ELBOW GP | |
| | | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8724** | 1 | ELBOW | |
| | 35 | 2 | *148-8444* | 1 | TEE AS-ORFS | |
| | | 2 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 2 | **6V-9837** | 1 | TEE-SWIVEL | |
| | 36 | 2 | *149-5452* | 2 | UNION AS | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-8994** | 1 | UNION-BULKHEAD | |
| | 37 | 2 | *150-4037* | 1 | TEE GP | |
| | | 2 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 2 | **6V-9844** | 1 | TEE-SWIVEL | |
| | 38 | 2 | *164-7908* | 1 | ELBOW GP | |
| | | 2 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **8T-7546** | 1 | ELBOW | |
| | 39 | 2 | **1K-4649** | 1 | SPACER (.516X1X1 IN THK) | |
| | 40 | 2 | **8T-9389** | 1 | BOLT (1/2-13X2.75 IN) | |
| | 41 | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | 42 | 1 | **4L-6454** | 6 | BOLT (3/8-16X1 IN) | |
| | 43 | 1 | **5K-5338** | 7 | CLIP | |
| | 45 | 1,2 | **5P-1075** | 11 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 46 | 2 | **5P-1076** | 1 | WASHER-HARD (13.5X30X4MM THK) | |
| | 47 | 2 | **2D-8155** | 4 | STUD-TAPERLOCK | |
| | 48 | 2 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 49 | 1 | **5S-7383** | 1 | BOLT (3/8-16X1.75 IN) | |
| | 50 | 2 | **6V-8188** | 4 | NUT (1/2-13 THD) | |
| | 51 | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | 52 | 2 | **8T-9101** | 4 | BOLT (3/8-16X2.75 IN) | |
| | 53 | 1 | **6V-9168** | 2 | NUT (11/16-16 THD) | |
| | 54 | 2 | **7S-4244** | 1 | CLIP | |
| | 55 | 1 | **9G-2673** | 1 | GROMMET | |
| | | | | | | |
| BF | | 1 | **7K-1181** | 10 | STRAP-CABLE | |
| | | | | | | |
| | | | | | | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **194-7005** | 1 | KIT-BLADE | |
| | | | | | (INCLUDES 2 BLADE AS & 8 BOLTS | |

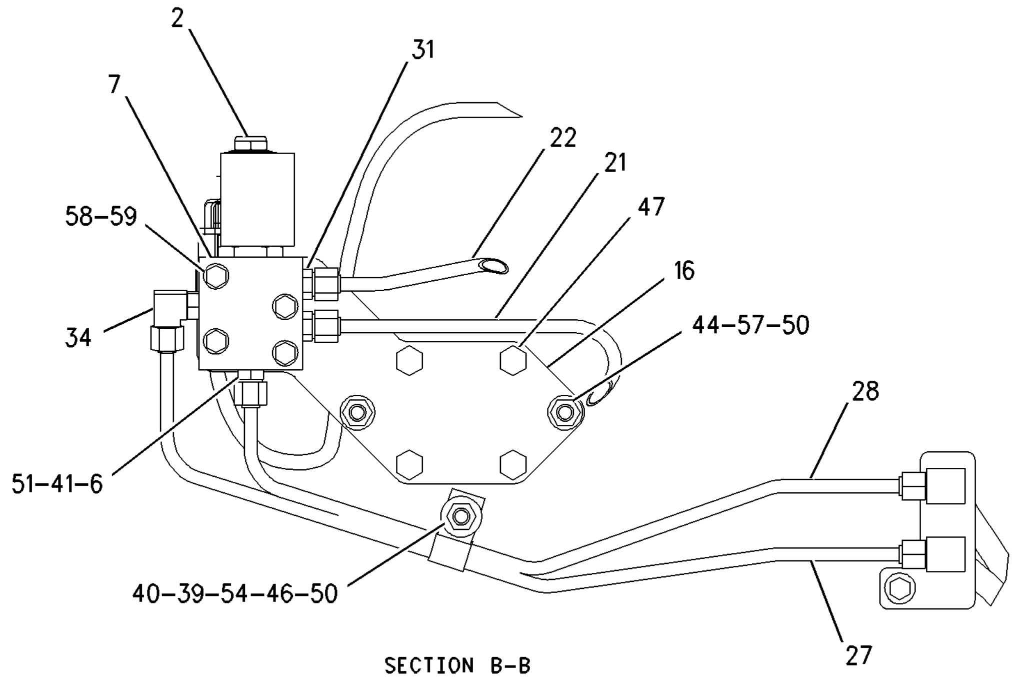
B-USE AS REQUIRED
F-NOT SHOWN
I-SEE HOSE FABRICATION GUIDE
J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J
Y-SEPARATE ILLUSTRATION

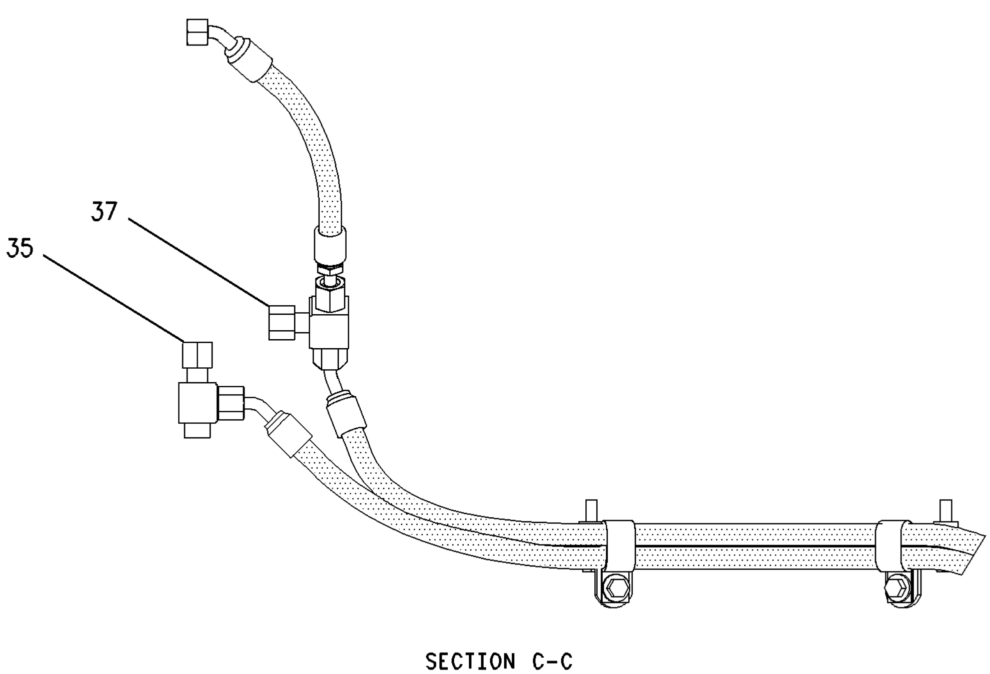
*143-7770* **FAN AR-VARIABLE** ***(contd.)*** **i01488588**




GRAPHIC #1 g00741436

*143-7770* **FAN AR-VARIABLE** ***(contd.)*** **i01488588**




GRAPHIC #2

g00741480

## *160-7005* FAN GP-BLOWER

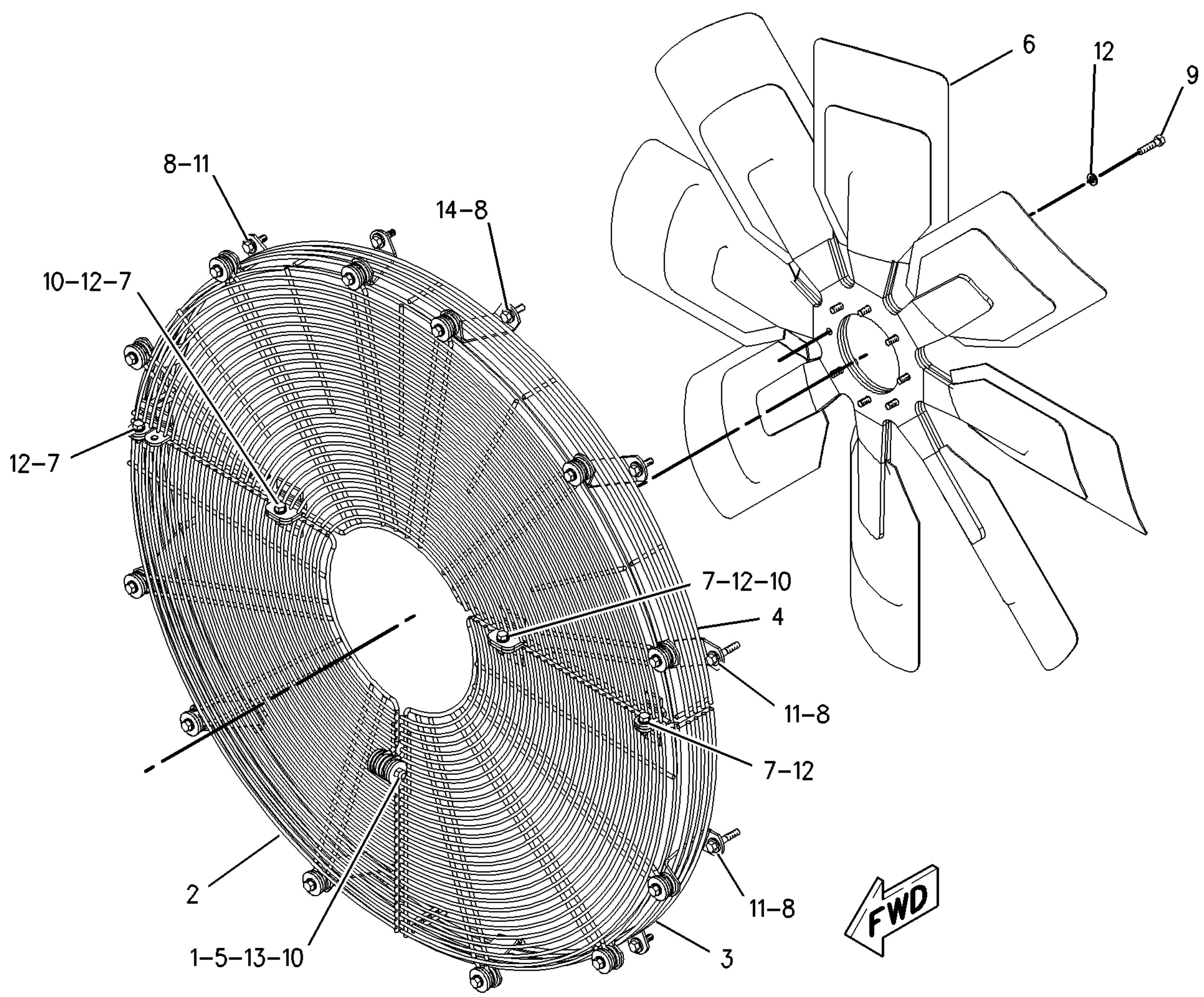
**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1356, 1360** **i01503346**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9L-8781** | 2 | WASHER (0.406X1.5X0.188 IN THK) | |
| Y | 2 | 1 | *165-7021* | 1 | GUARD AS | 105 |
| Y | 3 | 1 | *165-7022* | 1 | GUARD AS | 106 |
| Y | 4 | 1 | *165-7023* | 1 | GUARD AS | 107 |
| | 5 | 1 | **169-0908** | 2 | MOUNT AS | |
| | 6 | 1 | **173-0419** | 1 | SPIDER AS-FAN (8 BLADE) | |
| | 7 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 8 | 1 | **5P-1075** | 12 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 9 | 1 | **5S-7383** | 8 | BOLT (3/8-16X1.75 IN) | |
| | 10 | 1 | **6V-8801** | 3 | NUT (3/8-16 THD) | |
| | 11 | 1 | **8T-2501** | 4 | BOLT (3/8-16X2 IN) | |
| | 12 | 1 | **8T-4896** | 14 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 13 | 1 | **8T-9377** | 1 | BOLT (3/8-16X2.25 IN) | |
| | 14 | 1 | **9B-7237** | 8 | BOLT (3/8-16X1.25 IN) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00692601

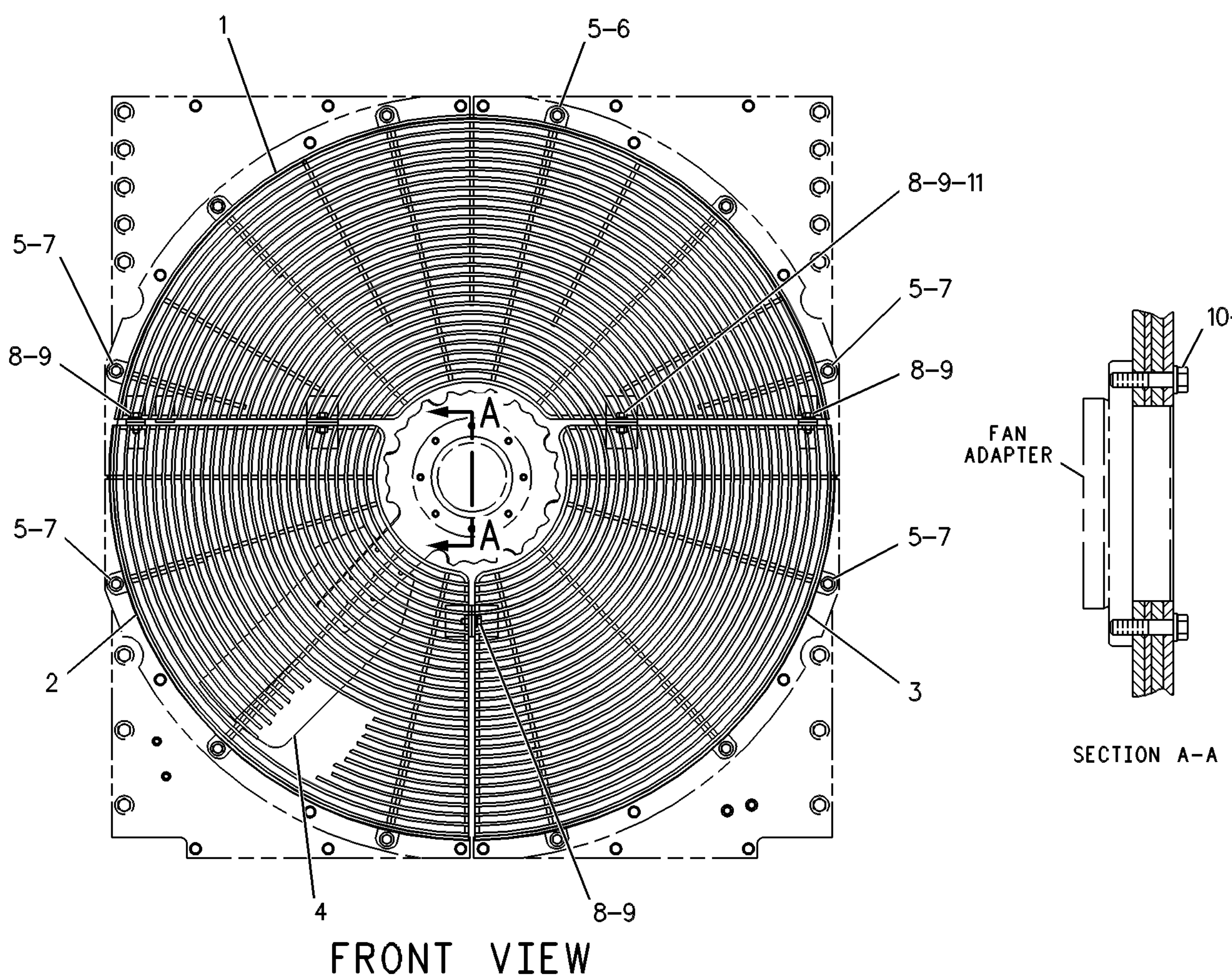
## *124-7521* FAN GP-EJECTOR

**S/N: AKA1-UP**

**PART OF 124-4818 FAN AR-EJECTOR**

**SMCS-1356, 1360** **i01223596**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **114-2031** | 1 | GUARD AS-FAN | |
| | 2 | 1 | **114-2032** | 1 | GUARD AS-FAN | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **114-2033** | 1 | GUARD AS-FAN | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **125-3949** | 1 | SPIDER AS-FAN | |
| | 5 | 1 | **5P-1075** | 12 | WASHER-HARD (3MM THK) | |
| | 6 | 1 | **9B-7237** | 8 | BOLT (3/8-16X1.25IN) | |
| | 7 | 1 | **8T-2501** | 4 | BOLT (3/8-16X2.0IN) | |
| | 8 | 1 | **8T-4896** | 15 | WASHER-HARD (2.5MM THK) | |
| | 9 | 1 | **4L-6454** | 5 | BOLT (3/8-16X1 IN) | |
| | 10 | 1 | **5S-7383** | 8 | BOLT (3/8-16X1.75IN) | |
| | 11 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |




GRAPHIC #1 g00249947

# COOLING SYSTEM

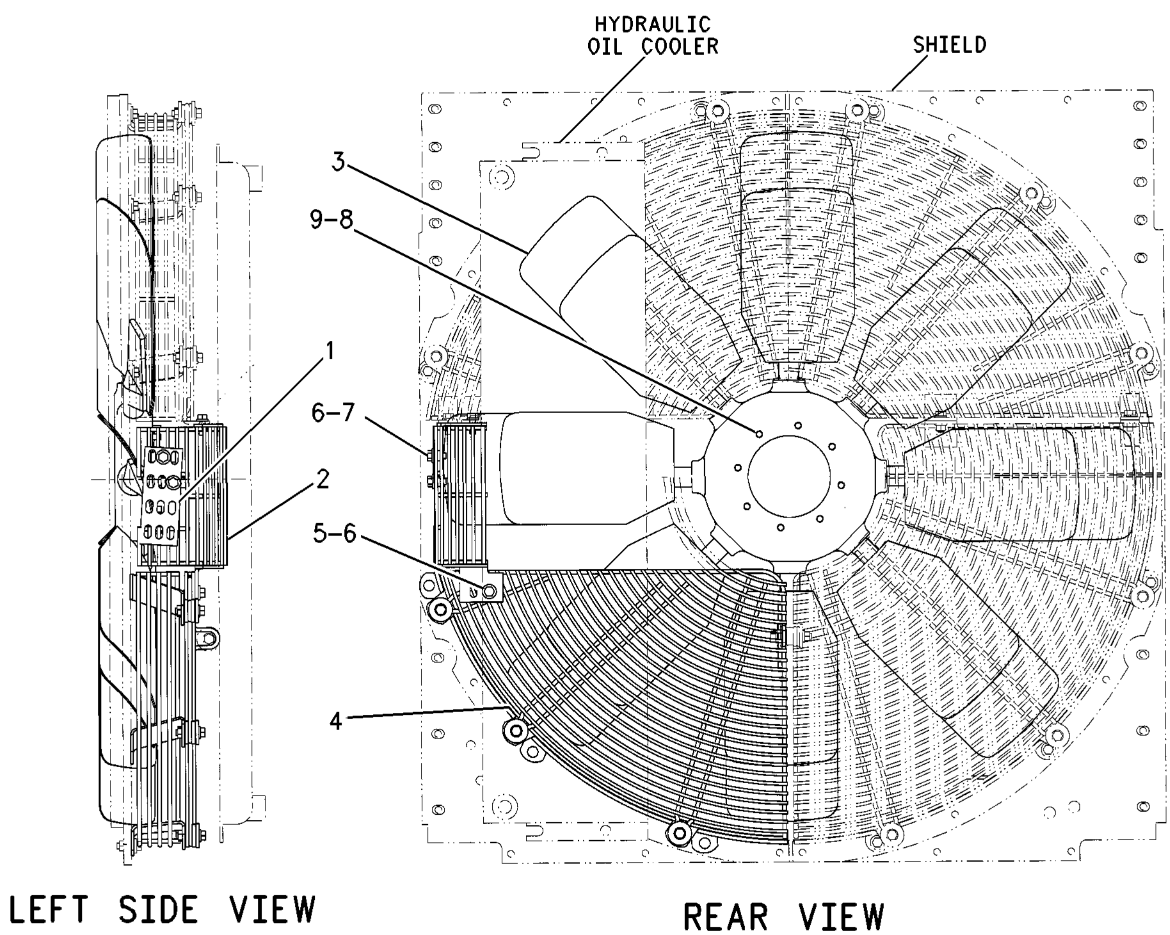
## *160-7008* FAN GP-REVERSIBLE

**S/N: AKA1-UP**

**SMCS-1356, 1360** **i01486221**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2W-5825** | 1 | PLATE | |
| | 2 | 1 | **134-3937** | 1 | GUARD AS-FAN | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **147-9672** | 1 | FAN AS-REVERSIBLE (8 BLADE) | |
| Y | 4 | 1 | *169-4893* | 1 | GUARD AS | 108 |
| | 5 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 6 | 1 | **5P-1075** | 3 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 7 | 1 | **5S-7379** | 2 | BOLT (3/8-16X0.875 IN) | |
| | 8 | 1 | **0S-1590** | 8 | BOLT (3/8-16X2 IN) | |
| | 9 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00758426

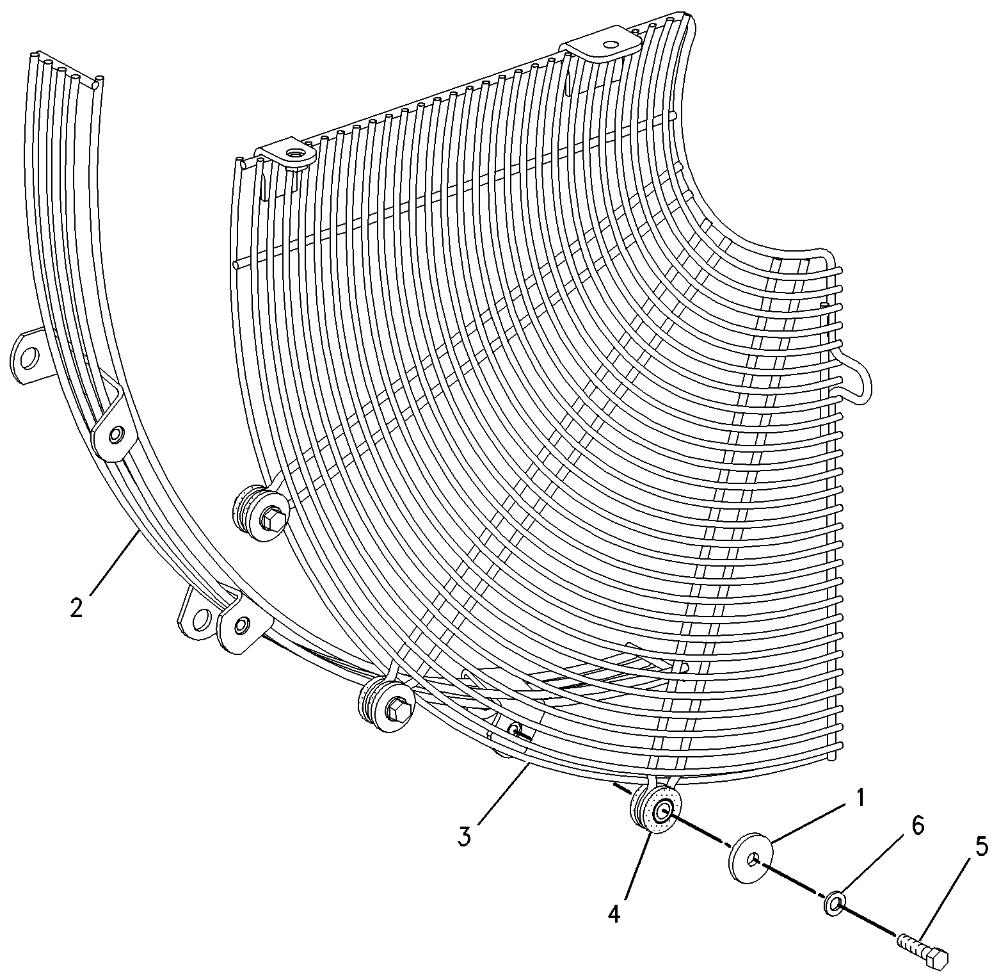
# 165-7021 GUARD AS

**S/N: AKA1-UP**

**PART OF 160-7005 FAN GP-BLOWER**

**SMCS-7150** **i01390213**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9L-8781** | 3 | WASHER (.406X1.5X.188 IN THK) | |
| | 2 | 1 | **160-7003** | 1 | GUARD AS-FAN | |
| | 3 | 1 | **160-7004** | 1 | GUARD AS-FAN | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **169-0908** | 3 | MOUNT AS | |
| | 5 | 1 | **4L-9337** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 6 | 1 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1

g00733967

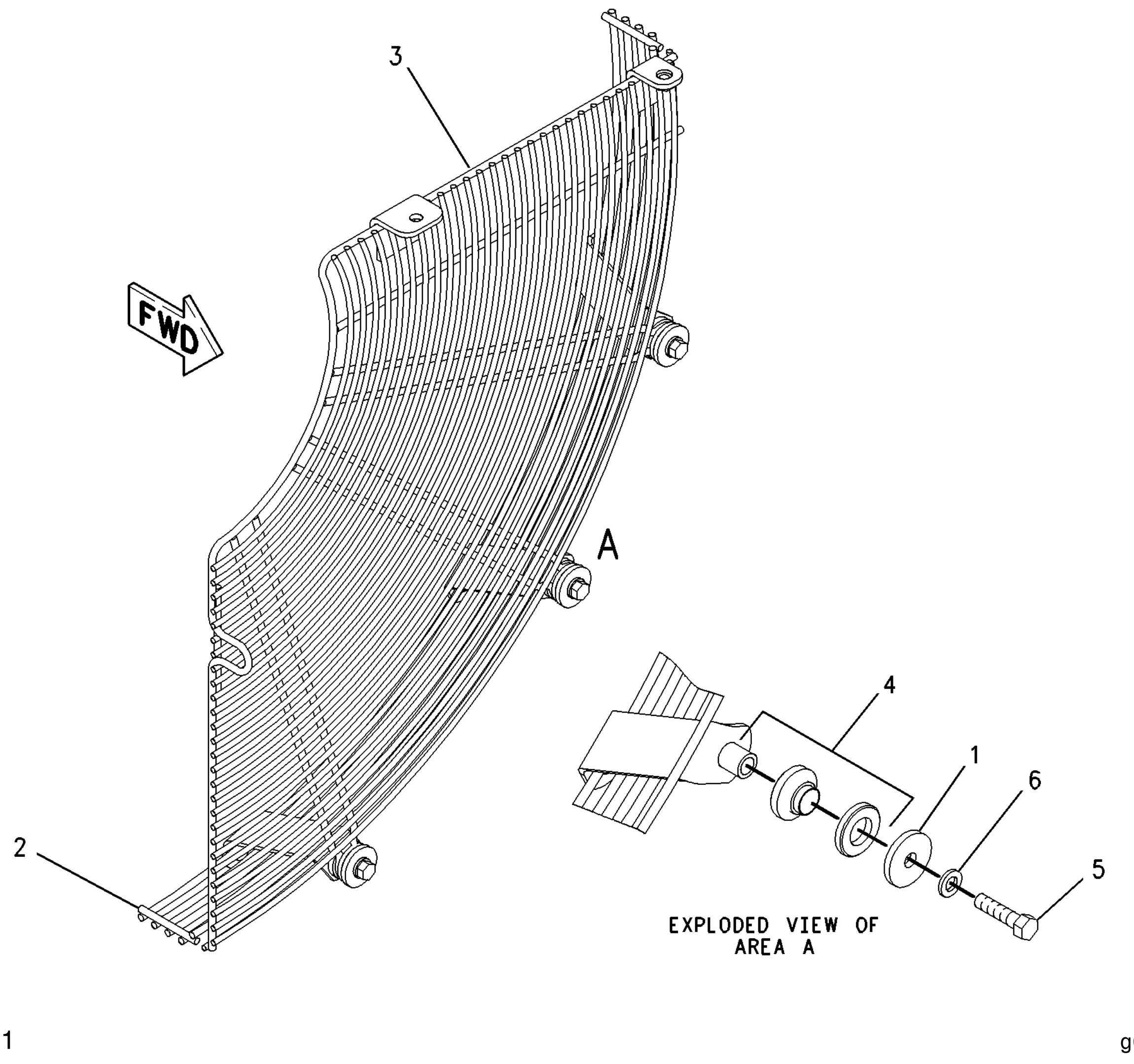
## *165-7022* GUARD AS

S/N: AKA1-UP

PART OF 160-7005 FAN GP-BLOWER

SMCS-7150 i01390210

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9L-8781** | 3 | WASHER (.406X1.5X.188 IN THK) | |
| | 2 | 1 | **160-7001** | 1 | GUARD AS-FAN (RISER) | |
| | 3 | 1 | **160-7002** | 1 | GUARD AS-FAN (FLAT) | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **169-0908** | 3 | MOUNT AS | |
| | 5 | 1 | **4L-9337** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 6 | 1 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1 g00733809

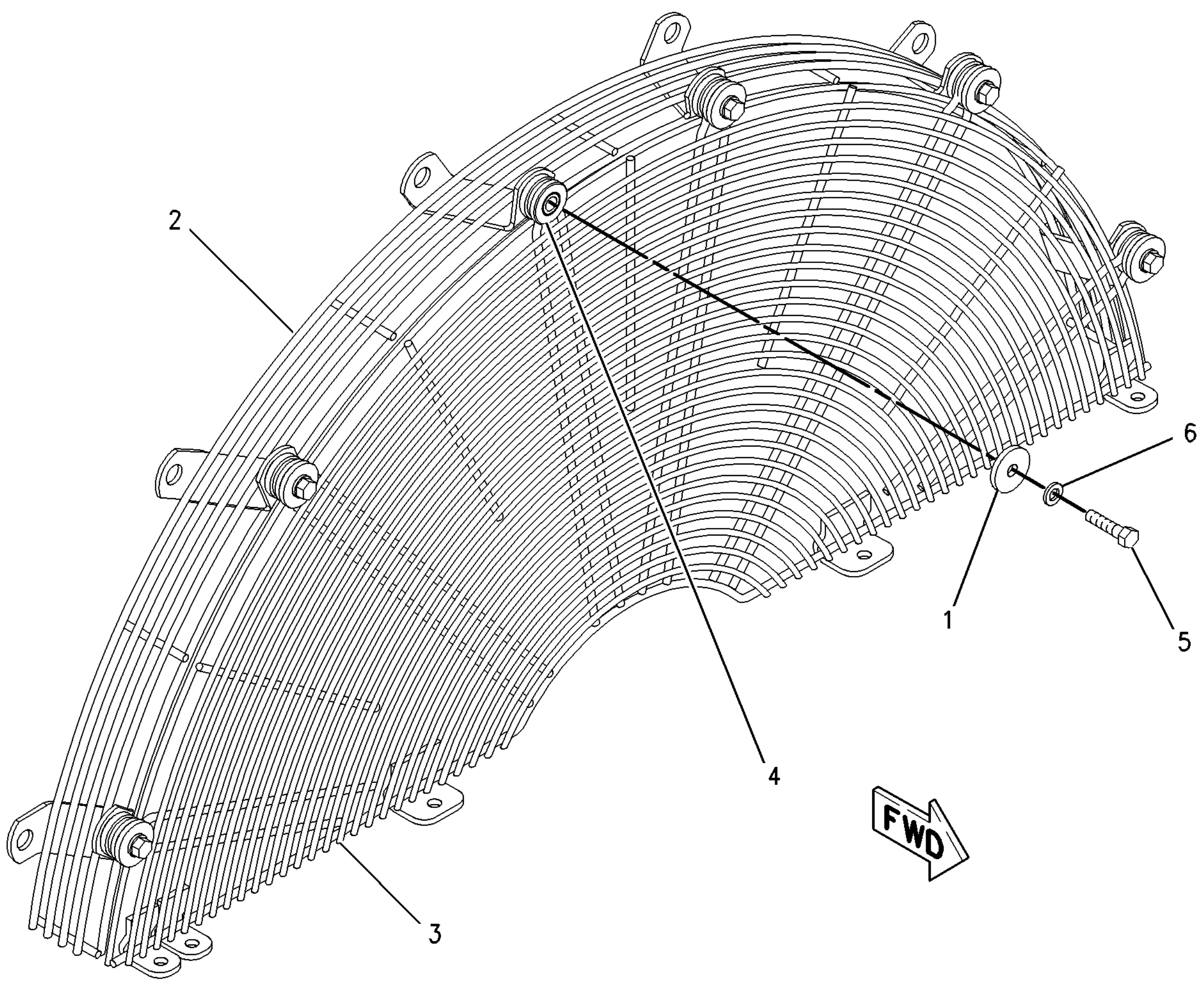
## *165-7023* GUARD AS

**S/N: AKA1-UP**

**PART OF 160-7005 FAN GP-BLOWER**

**SMCS-7150** **i01390200**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9L-8781** | 6 | WASHER (.406X1.5X.188 IN THK) | |
| | 2 | 1 | **160-6999** | 1 | GUARD AS-FAN (RISER) | |
| | 3 | 1 | **160-7000** | 1 | GUARD AS-FAN (FLAT) | |
| | 4 | 1 | **169-0908** | 6 | MOUNT AS | |
| | 5 | 1 | **4L-9337** | 6 | BOLT (3/8-16X1.5 IN) | |
| | 6 | 1 | **8T-4896** | 6 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1 g00733874

# COOLING SYSTEM

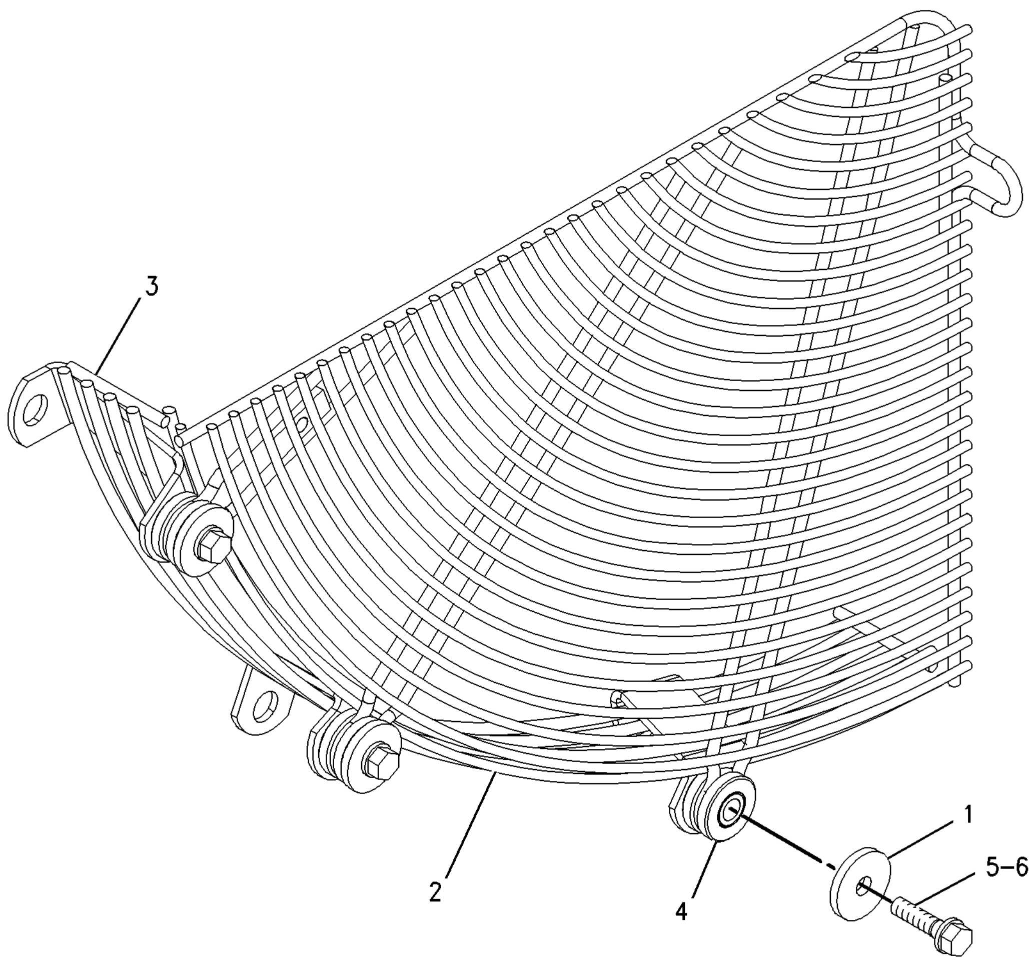
## *169-4893* GUARD AS

**S/N: AKA1-UP**

**PART OF 160-7008 FAN GP-REVERSIBLE**

**SMCS-7150** **i01390279**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9L-8781** | 3 | WASHER (.406X1.5X.188 IN THK) | |
| | 2 | 1 | **160-7006** | 1 | GUARD AS (FLAT) | |
| | 3 | 1 | **160-7007** | 1 | GUARD AS (RISER) | |
| | 4 | 1 | **169-0908** | 3 | MOUNT AS | |
| | 5 | 1 | **4L-9337** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 6 | 1 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1

g00733859

# MEMORANDA

# *160-4934* LINES GP-WATER

**S/N: BET1-UP**

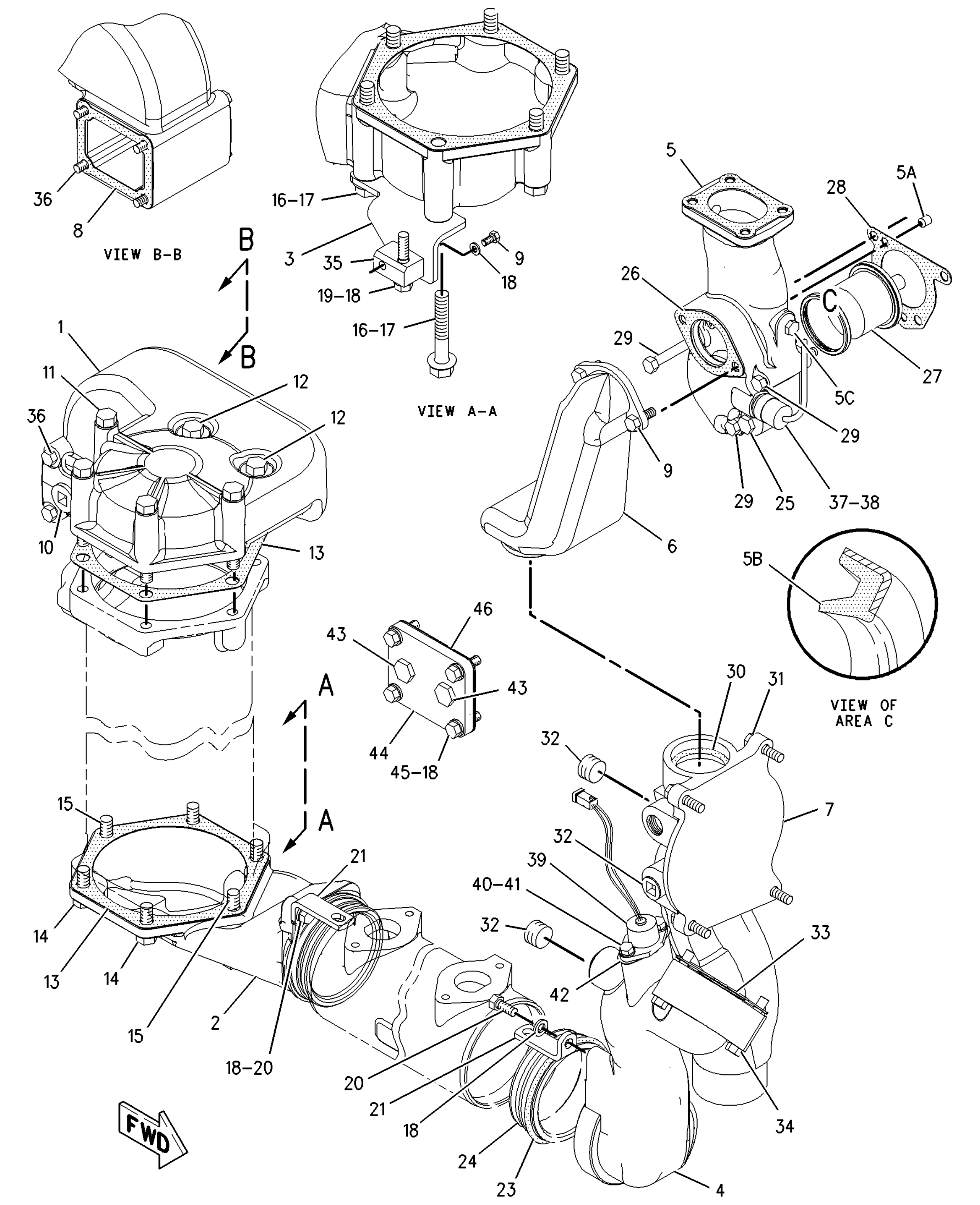
**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1355, 1380, 1393** **i01436926**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **159-9350** | 1 | BONNET-OUTLET | |
| | 2 | 1 | **159-9351** | 1 | BONNET-COOLER INLET | |
| | 3 | 1 | **160-1773** | 1 | PLATE-BRACKET | |
| | 4 | 1 | **170-4673** | 1 | BONNET-OIL COOLER INLET | |
| | 5 | 1 | **160-4213** | 1 | COVER AS-HOUSING | |
| | 5A | 1 | **2H-1193** | 1 | FERRULE | |
| | 5B | 1 | **3S-9643** | 1 | SEAL-LIP | |
| | 5C | 1 | **8T-6765** | 1 | PLUG-PIPE | |
| | 6 | 1 | **7W-3587** | 1 | ELBOW-BYPASS | |
| | 7 | 1 | **7N-1572** | 1 | COVER-WATER PUMP | |
| | 8 | 1 | **4N-0641** | 1 | GASKET | |
| | 9 | 1 | **0S-1594** | 3 | BOLT (3/8-16X1 IN) | |
| | 10 | 1 | **8T-6761** | 1 | PLUG-PIPE | |
| | 11 | 1 | **9X-8875** | 4 | BOLT (1/2-13X3.5IN) | |
| | 12 | 1 | **9X-8873** | 2 | BOLT (1/2-13X2.25 IN) | |
| | 13 | 1 | **2S-0795** | 2 | GASKET | |
| | 14 | 1 | **0S-1595** | 2 | BOLT (1/2-13X1.25 IN) | |
| | 15 | 1 | **9X-8874** | 2 | BOLT (1/2-13X3IN) | |
| | 16 | 1 | **1D-4569** | 2 | BOLT (1/2-13X4.25 IN) | |
| | 17 | 1 | **5P-8245** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 18 | 1 | **5M-2894** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 19 | 1 | **0S-1590** | 1 | BOLT (3/8-16X2 IN) | |
| | 20 | 1 | **0L-1351** | 2 | BOLT (3/8-16X.875 IN) | |
| | 21 | 1 | **4N-1199** | 2 | CLIP | |
| | 23 | 1 | **109-0077** | 1 | SEAL-O-RING (100.97MM ID) | |
| | 24 | 1 | **4N-6257** | 1 | ADAPTER | |
| | 25 | 1 | **8T-6767** | 1 | PLUG-PIPE | |
| | 26 | 1 | **7C-0307** | 1 | GASKET | |
| | 27 | 1 | **4W-4794** | 1 | REGULATOR-WATER TEMPERATURE (92 DEG C.) | |
| | 28 | 1 | **4N-1156** | 1 | GASKET-REGULATOR COVER | |
| | 29 | 1 | **0S-1619** | 3 | BOLT (3/8-16X3 IN) | |
| | 30 | 1 | **109-0076** | 1 | SEAL-O-RING (50.17MM ID) | |
| | 31 | 1 | **0S-1591** | 4 | BOLT (3/8-16X1.5 IN) | |
| | 32 | 1 | **7X-7731** | 3 | PLUG-PIPE | |
| | 33 | 1 | **125-0434** | 1 | SEAL-INTEGRAL | |
| | 34 | 1 | **0L-2070** | 2 | BOLT (3/8-16X2.25 IN) | |
| | 35 | 1 | **7W-0570** | 1 | BLOCK | |
| | 36 | 1 | **5B-9603** | 4 | BOLT (3/8-16X5 IN) | |
| | 37 | 1 | **102-2240** | 1 | SENSOR GP-TEMPERATURE (WATER) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| BE | | 1 | **9X-1813** | | SLEEVE | |
| | 38 | 1 | **112-5282** | 1 | SEAL-O-RING (16.36MM ID) | |
| Y | 39 | 1 | **134-6054** | 1 | SWITCH GP-FLOW (COOLANT) | 136 |
| | 40 | 1 | **2B-2695** | 2 | BOLT (5/16-18X0.875 IN) | |
| | 41 | 1 | **9M-1974** | 2 | WASHER-HARD (8.8X16X2MM THK) | |
| | 42 | 1 | **4N-3841** | 1 | GASKET | |
| | 43 | 1 | **7W-6492** | 2 | PLUG-PIPE (1/2-14 NPTF) | |
| | 44 | 1 | **145-9277** | 1 | COVER | |
| | 45 | 1 | **0S-1588** | 4 | BOLT (3/8-16X1.25 IN) | |
| | 46 | 1 | **126-4935** | 1 | SEAL-INTEGRAL | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

## *160-4934* **LINES GP-WATER** *(contd.)* **i01436926**




GRAPHIC #1

g00756696

# COOLING SYSTEM

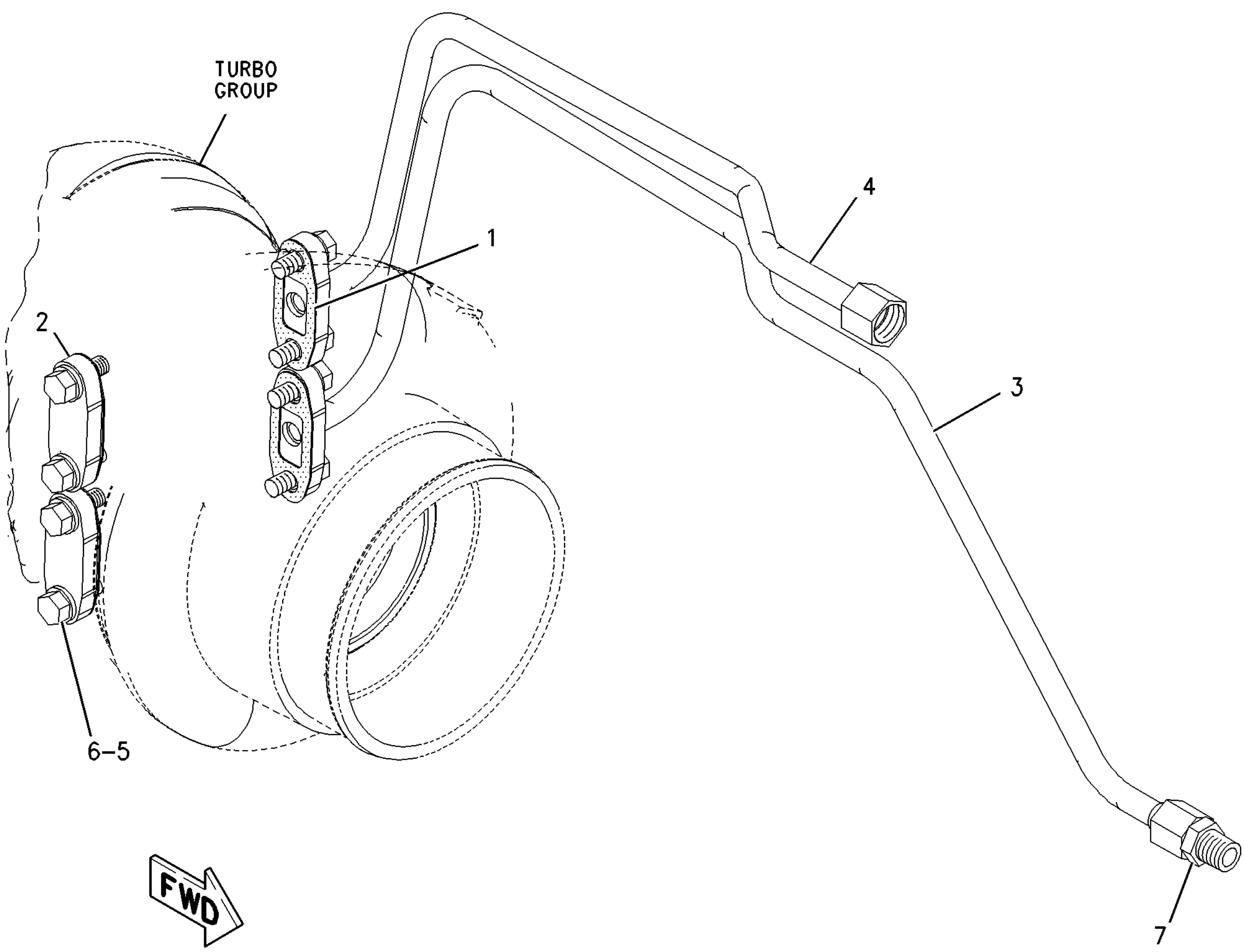
## *161-2427* LINES GP-WATER

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1355, 1380, 1393** **i01436051**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7N-7628** | 4 | GASKET | |
| | 2 | 1 | **7N-7878** | 2 | PLATE-COVER | |
| | 3 | 1 | **160-7720** | 1 | TUBE AS-WATER | |
| | 4 | 1 | **197-6223** | 1 | TUBE AS | |
| | 5 | 1 | **0S-1594** | 8 | BOLT (3/8-16X1 IN) | |
| | 6 | 1 | **5M-2894** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 7 | 1 | **8M-0755** | 1 | CONNECTOR | |




GRAPHIC #1 g00760267

# MEMORANDA

## *167-0113* LINES GP-WATER

**S/N: AKA1-UP**

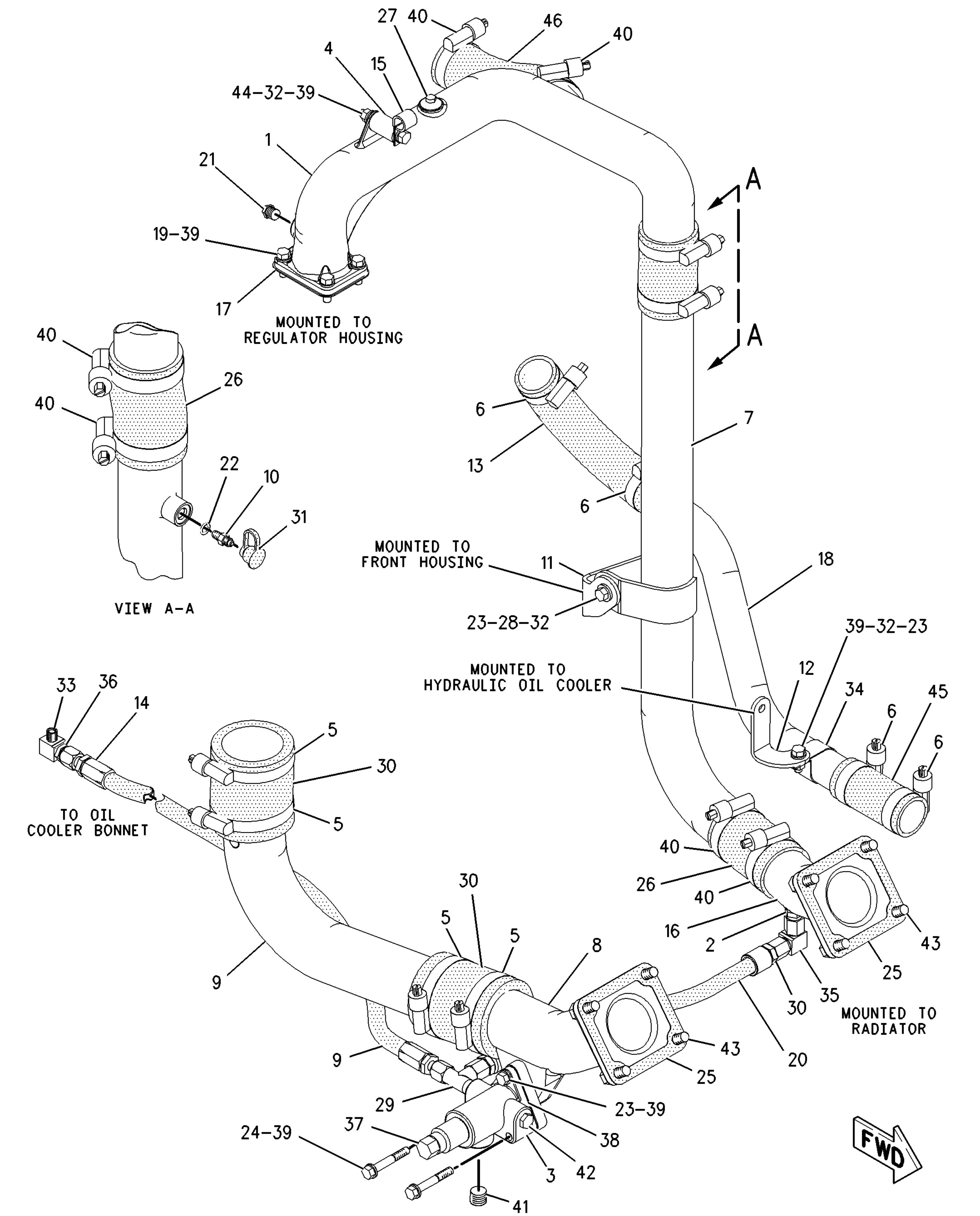
**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1355, 1380, 1393** **i01461306**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **160-1008** | 1 | ELBOW | |
| | 2 | 1 | **2T-2295** | 1 | CONNECTOR-FLARED | |
| | 3 | 1 | **8M-7057** | 1 | ADAPTER-PLUG | |
| | 4 | 1 | **8P-9679** | 1 | SPACER (10.5X25X40MM THK) | |
| | 5 | 1 | **8T-4985** | 4 | CLAMP-HOSE | |
| | 6 | 1 | **8T-6703** | 4 | CLAMP-HOSE | |
| | 7 | 1 | **108-8705** | 1 | TUBE AS | |
| | 8 | 1 | **108-8708** | 1 | ELBOW | |
| | 9 | 1 | **108-8709** | 1 | TUBE | |
| | 10 | 1 | **154-9023** | 1 | VALVE-SAMPLING | |
| | 11 | 1 | **161-8426** | 1 | BRACKET | |
| | 12 | 1 | **167-6861** | 1 | BRACKET | |
| | 13 | 1 | **196-7155** | 1 | HOSE | |
| I | 14 | 1 | **033-4953** | 1 | HOSE AS | |
| | 15 | 1 | **067-2551** | 1 | CLIP (SLOT) | |
| | 16 | 1 | **108-8707** | 1 | ELBOW | |
| | 17 | 1 | **160-5723** | 1 | GASKET | |
| | 18 | 1 | **186-1733** | 1 | TUBE | |
| | 19 | 1 | **1A-2029** | 4 | BOLT (3/8-16X1.125 IN) | |
| I | 20 | 1 | **2N-1347** | 1 | HOSE AS-END | |
| | 21 | 1 | **3J-5389** | 1 | PLUG (1/2-14 NPT THD) | |
| | 22 | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | 23 | 1 | **4L-6454** | 3 | BOLT (3/8-16X1 IN) | |
| | 24 | 1 | **4L-6459** | 2 | BOLT (3/8-16X2.5 IN) | |
| | 25 | 1 | **4N-1419** | 2 | GASKET-OUTLET | |
| E | 26 | 1 | **5P-1262** | | HOSE (63.5MM ID) (11.4CM EACH) | |
| | 27 | 1 | **5M-6214** | 1 | PLUG-PIPE | |
| | 28 | 1 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 29 | 1 | **5P-4495** | 1 | TEE-FLARED | |
| E | 30 | 1 | **5P-1265** | | HOSE (76.2MM ID) (11.4CM EACH) | |
| | 31 | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 32 | 1 | **6V-8801** | 3 | NUT (3/8-16 THD) | |
| | 33 | 1 | **7J-0482** | 1 | ELBOW | |
| | 34 | 1 | **7L-6326** | 1 | CLIP | |
| | 35 | 1 | **8M-0547** | 1 | ELBOW | |
| | 36 | 1 | **8M-0755** | 1 | CONNECTOR | |
| | 37 | 1 | **8M-1869** | 1 | PLUG-DRAIN | |
| | 38 | 1 | **8M-7066** | 1 | GASKET | |
| | 39 | 1 | **8T-4896** | 11 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 40 | 1 | **8T-4984** | 6 | CLAMP-HOSE | |
| | 41 | 1 | **8T-6762** | 1 | PLUG-PIPE | |
| | 42 | 1 | **8T-6767** | 1 | PLUG-PIPE | |
| | 43 | 1 | **8T-8917** | 8 | BOLT (1/2-13X1.25 IN) | |
| | 44 | 1 | **8T-9101** | 1 | BOLT (3/8-16X2.75 IN) | |
| E | 45 | 1 | **5P-1257** | | HOSE (11CM) | |
| E | 46 | 1 | **5P-1259** | | HOSE (32CM) | |

E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE

## *167-0113* **LINES GP-WATER** ***(contd.)*** i01461306




GRAPHIC #1 g00756222

## *167-0114* LINES GP-WATER

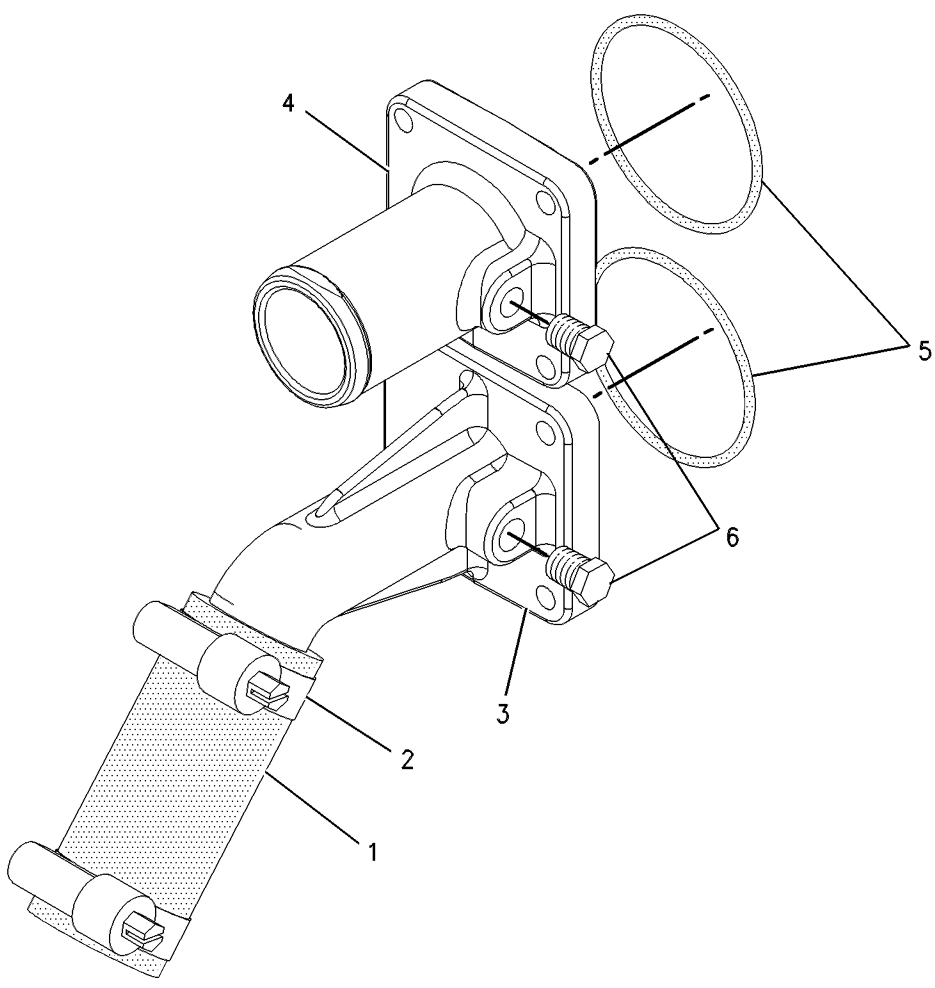
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1355, 1380, 1393** **i01440934**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **5P-0763** | | HOSE (38.1MM ID) (15CM) | |
| | 2 | 1 | **8T-4983** | 2 | CLAMP-HOSE | |
| | 3 | 1 | **172-5457** | 1 | ADAPTER | |
| | 4 | 1 | **179-1979** | 1 | ADAPTER | |
| | 5 | 1 | **1H-7339** | 2 | SEAL-O-RING (75.79MM ID) | |
| | 6 | 1 | **8T-6765** | 2 | PLUG-PIPE | |

E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00660608

# *100-9347* PUMP GP-WATER

**S/N: BET1-UP**

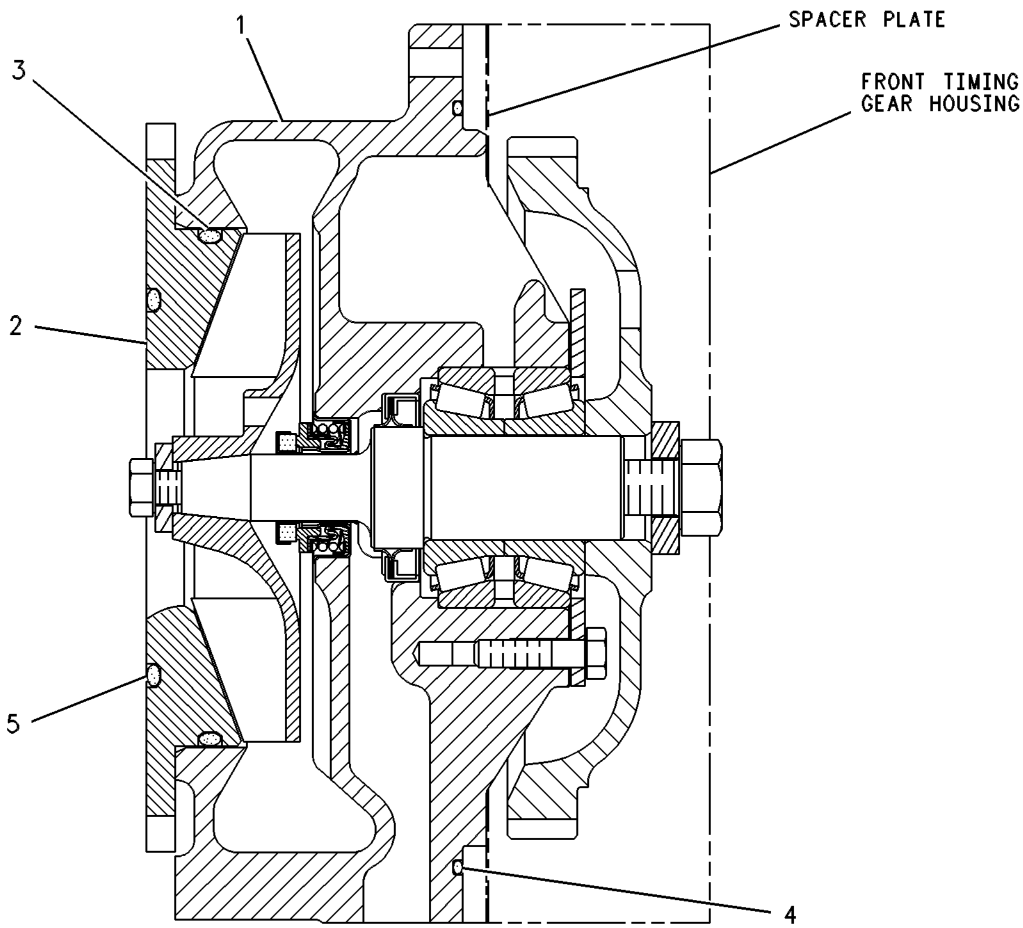
**PROVIDES CAST IRON ADAPTER**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394** **i01448186**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| YR | 1 | 1 | **135-4925** | 1 | PUMP GP-WATER | 118 |
| | 2 | 1 | **4P-2383** | 1 | ADAPTER-INLET | |
| | 3 | 1 | **9M-3786** | 1 | SEAL-O-RING (139.06MM ID) | |
| | 4 | 1 | **122-3772** | 1 | SEAL-O-RING (215.49MM ID) | |
| | 5 | 1 | **109-0077** | 1 | SEAL-O-RING (100.97MM ID) | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00263504

# *135-4925* PUMP GP-WATER*R

**S/N: BET1-UP**

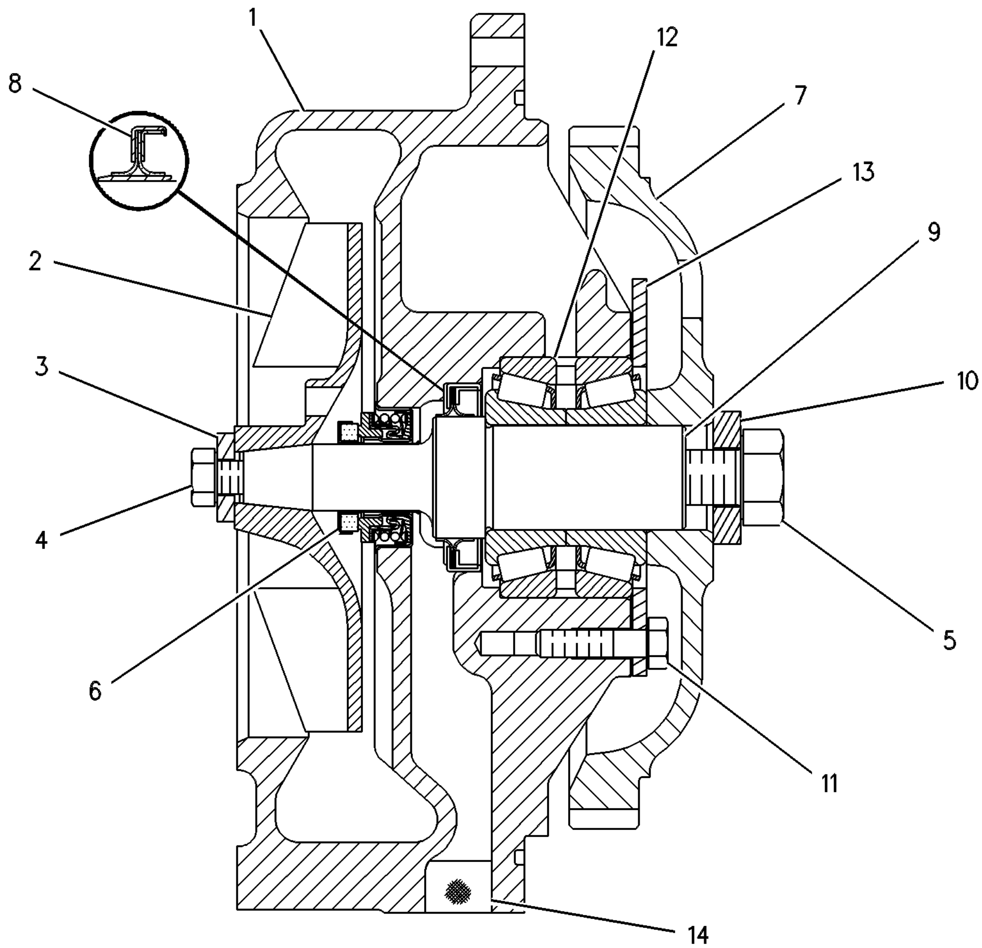
**PART OF 100-9347 PUMP GP-WATER**

**SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394** **i01448189**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **135-4918** | 1 | HOUSING-WATER PUMP | |
| | 2 | 1 | **129-9907** | 1 | IMPELLER-PUMP | |
| W | 3 | 1 | **9M-6527** | 1 | WASHER-HARD (10.2X25.5X5MM THK) | |
| | 4 | 1 | **0S-1591** | 1 | BOLT (3/8-16X1.5 IN) | |
| | 5 | 1 | **1A-1135** | 1 | BOLT (5/8-11X2 IN) | |
| W | 6 | 1 | **128-0317** | 1 | SEAL GP | |
| | 7 | 1 | **6I-3643** | 1 | GEAR (74 T) | |
| W | 8 | 1 | **153-1256** | 1 | SEAL-LIP TYPE | |
| W | 9 | 1 | **135-4928** | 1 | SHAFT-WATER PUMP | |
| W | 10 | 1 | **5S-0581** | 1 | WASHER-HARD (17X38X8MM THK) | |
| | 11 | 1 | **1B-7182** | 4 | BOLT (5/16-18X1.25 IN) | |
| W | 12 | 1 | **108-7930** | 1 | BEARING AS-ROLLER | |
| W | 13 | 1 | **136-1107** | 1 | RETAINER | |
| W | 14 | 1 | **136-3742** | 1 | FILTER-WATER PUMP | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| W | | | **138-6744** | 1 | KIT-PUMP REBUILD (WATER) | |
| | | | **128-2922** | 1 | KIT-GASKET (WATER PUMP) | |
| | | | | | (ALSO INCLUDES O-RINGS) | |

W-KIT(S) MARKED W INCLUDES PART(S) MARKED W

*135-4925* **PUMP GP-WATER** ***(contd.)*** **i01448189**




GRAPHIC #1 g00263499

# *160-3916* PUMP GP-WATER

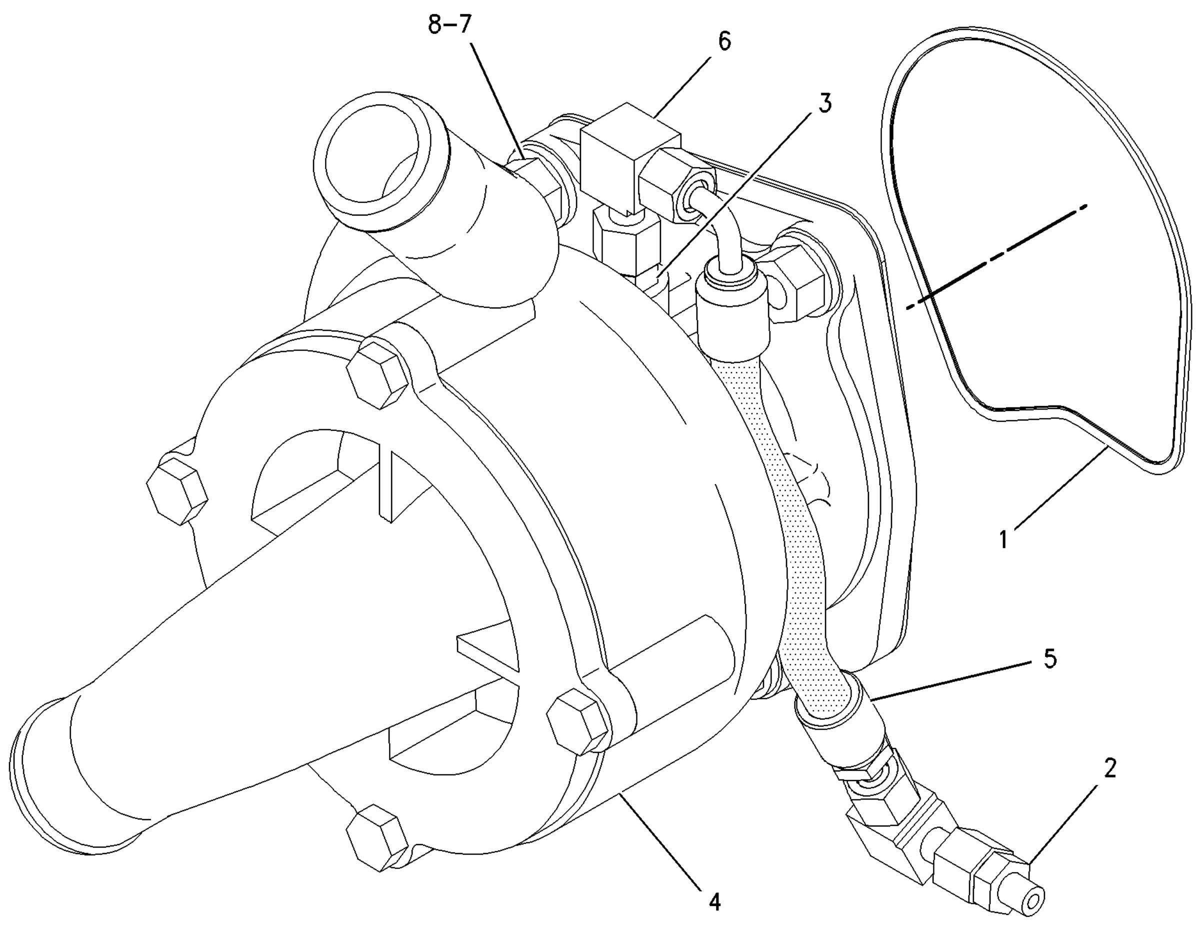
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394** **i01503072**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **144-6142** | 1 | SEAL-INTEGRAL | |
| | 2 | 1 | *148-8320* | 1 | CONNECTOR AS | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **8C-6865** | 1 | CONNECTOR | |
| | 3 | 1 | *148-8337* | 1 | CONNECTOR AS | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **8C-6866** | 1 | CONNECTOR | |
| Y | 4 | 1 | **160-3917** | 1 | PUMP GP-WATER | 121 |
| I | 5 | 1 | **168-7354** | 1 | HOSE AS | |
| | 6 | 1 | *148-8351* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9849** | 1 | ELBOW-SWIVEL | |
| | 7 | 1 | **1F-7958** | 3 | NUT-FULL (1/2-13 THD) | |
| | 8 | 1 | **5P-8245** | 3 | WASHER-HARD (13.5X25.5X3MM THK) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00758892

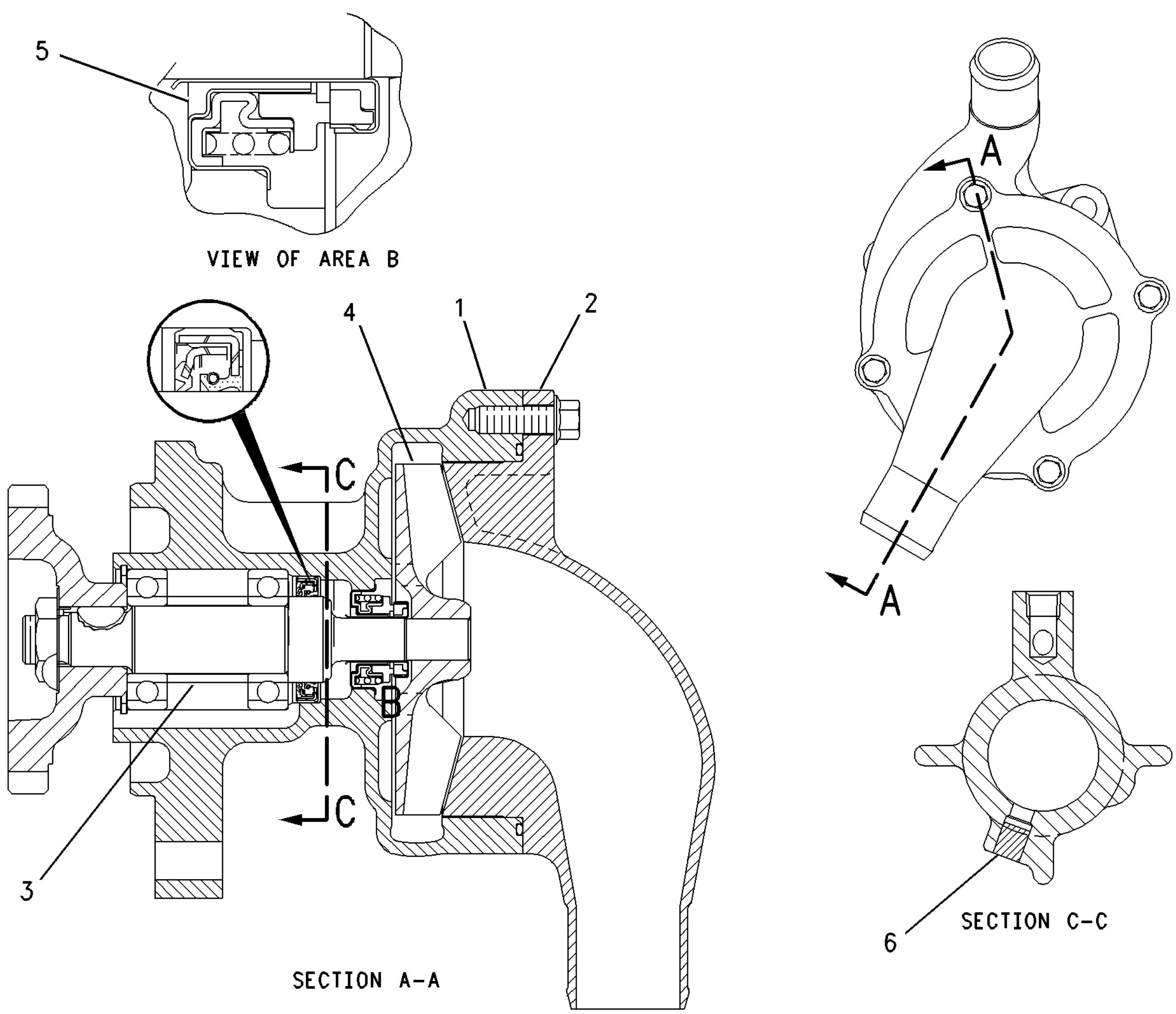
# *160-3917* PUMP GP-WATER

**S/N: BET1-UP**

**PART OF 160-3916 PUMP GP-WATER**

**SMCS-1361, 1363, 1364, 1373, 1384, 1389, 1394** **i01445135**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **161-3009** | 1 | HOUSING-WATER PUMP | |
| | 2 | 1 | **161-3006** | 1 | COVER | |
| | 3 | 1 | **161-3007** | 1 | SHAFT-WATER PUMP | |
| | 4 | 1 | **161-3008** | 1 | IMPELLER-PUMP | |
| | 5 | 1 | **147-5088** | 1 | SEAL AS-WATER PUMP | |
| | 6 | 1 | **119-3025** | 1 | FILTER-WATER | |




GRAPHIC #1

g00672661

# *189-0971* RADIATOR AR

**S/N: AKA1-UP**

**TRASH RESISTANT AMOCS**

**SMCS-1353** **i01489094**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **163-4061** | 7 | CORE AS-RADIATOR | 94 |
| Y | **163-4062** | 2 | CORE AS-RADIATOR | 95 |
| Y | *143-7770* | 1 | FAN AR-VARIABLE | 98 |

Y-SEPARATE ILLUSTRATION

# MEMORANDA

# *124-7520* RADIATOR GP

**S/N: AKA1-UP**

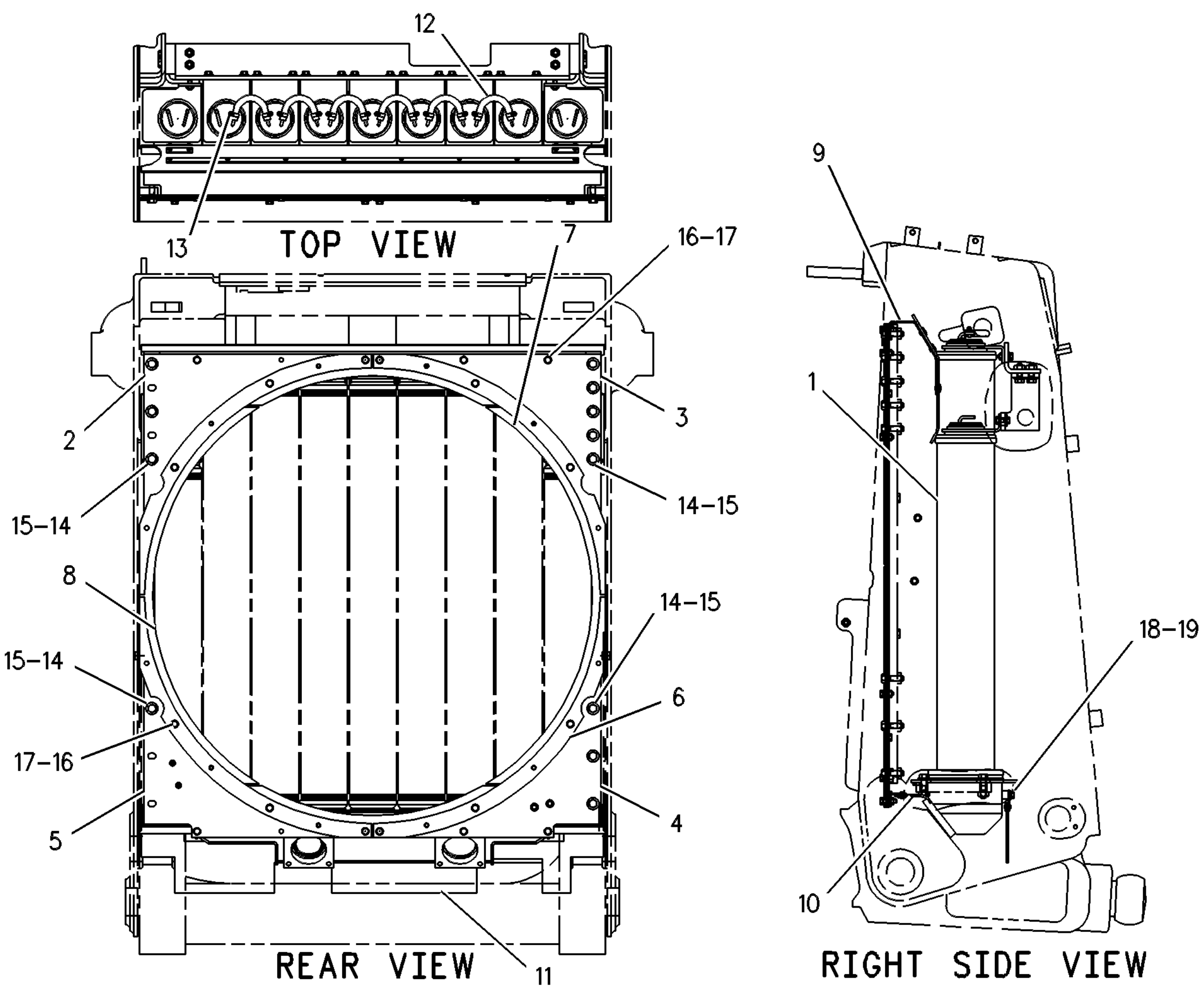
**PART OF 124-4818 FAN AR-EJECTOR**

**SMCS-1351** **i01223574**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *125-8530* | 1 | RADIATOR GP | 126 |
| | 2 | 1 | **113-7336** | 1 | SHIELD AS-TOP | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **113-7335** | 1 | SHIELD AS-TOP | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **108-1799** | 1 | SHIELD AS | |
| | | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 5 | 1 | **108-1798** | 1 | SHIELD AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **110-0285** | 4 | STRIP | |
| | 7 | 1 | **108-0957** | 2 | BAFFLE AS | |
| | | 1 | **7G-5186** | 6 | SPACER | |
| | 8 | 1 | **108-0958** | 2 | BAFFLE AS | |
| | | 1 | **7G-5186** | 6 | SPACER | |
| | 9 | 1 | **115-9360** | 1 | BAFFLE AS | |
| | | 1 | **1F-0750** | 7 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6B-4594** | 16 | RIVET (4.85MM DIA) | |
| | 10 | 1 | **109-3615** | 1 | BAFFLE AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6B-4594** | 6 | RIVET (4.85MM DIA) | |
| | 11 | 1 | **109-3614** | 1 | BAFFLE AS | |
| | | 1 | **6B-4594** | 7 | RIVET (4.85MM DIA) | |
| | 12 | 1 | **106-4572** | 6 | HOSE | |
| | 13 | 1 | **1P-4278** | 12 | CLAMP (HOSE) | |
| | 14 | 1 | **8T-8919** | 12 | BOLT (1/2-13X1.75IN) | |
| | 15 | 1 | **5P-1076** | 12 | WASHER-HARD (4MM THK) | |
| | 16 | 1 | **4L-6454** | 20 | BOLT (3/8-16X1 IN) | |
| | 17 | 1 | **8T-4896** | 20 | WASHER-HARD (2.5MM THK) | |
| | 18 | 1 | **5S-7379** | 4 | BOLT (3/8-16X.875IN) | |
| | 19 | 1 | **5P-1075** | 4 | WASHER-HARD (3MM THK) | |

Y-SEPARATE ILLUSTRATION

*124-7520* **RADIATOR GP** ***(contd.)*** **i01223574**




GRAPHIC #1

g00249939

# *125-8530* RADIATOR GP

**S/N: AKA1-UP**

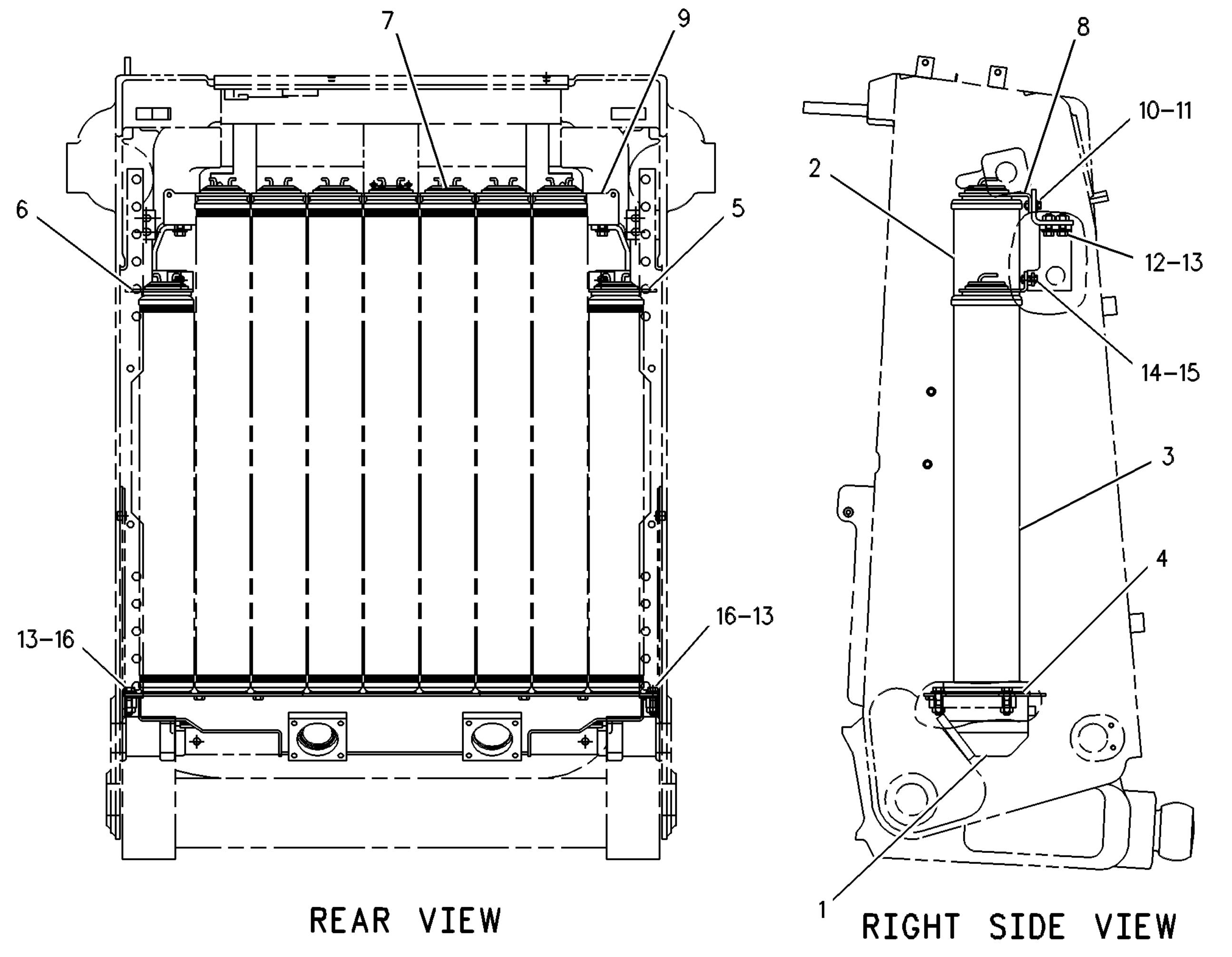
**PART OF 124-7520 RADIATOR GP**

**SMCS-1351** **i01488407**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **116-3749** | 1 | TANK AS-RADIATOR | |
| | | 1 | **1F-0750** | 5 | NUT-WELD (3/8-16 THD) | |
| BE | | 1 | **125-6743** | | SEAL-RUBBER (103 CM) | |
| | 2 | 1 | **178-9316** | 7 | CORE AS-RADIATOR | |
| | 3 | 1 | **185-7976** | 2 | CORE AS-RADIATOR | |
| | 4 | 1 | **6I-2431** | 9 | SEAL | |
| | 5 | 1 | **109-3609** | 1 | RETAINER AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **109-3610** | 1 | RETAINER AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **6I-2435** | 9 | SPACER | |
| | 8 | 1 | **108-0697** | 7 | RETAINER AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 9 | 1 | **109-3611** | 1 | BRACKET AS | |
| | | 1 | **8T-5911** | 4 | NUT-WELD (1/2-13 THD) | |
| | 10 | 1 | **8T-2502** | 14 | BOLT (3/8-16X1.125 IN) | |
| | 11 | 1 | **5P-1075** | 14 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 12 | 1 | **5P-2566** | 4 | BOLT (1/2-13X1.5 IN) | |
| | 13 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |
| | 14 | 1 | **9B-7237** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 15 | 1 | **8M-7145** | 2 | WASHER (10.2X28.5X5MM THK) | |
| | 16 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER

*125-8530* **RADIATOR GP** ***(contd.)*** **i01488407**




GRAPHIC #1

g00249943

# COOLING SYSTEM

## *161-2424* RADIATOR GP

**S/N: AKA1-UP**

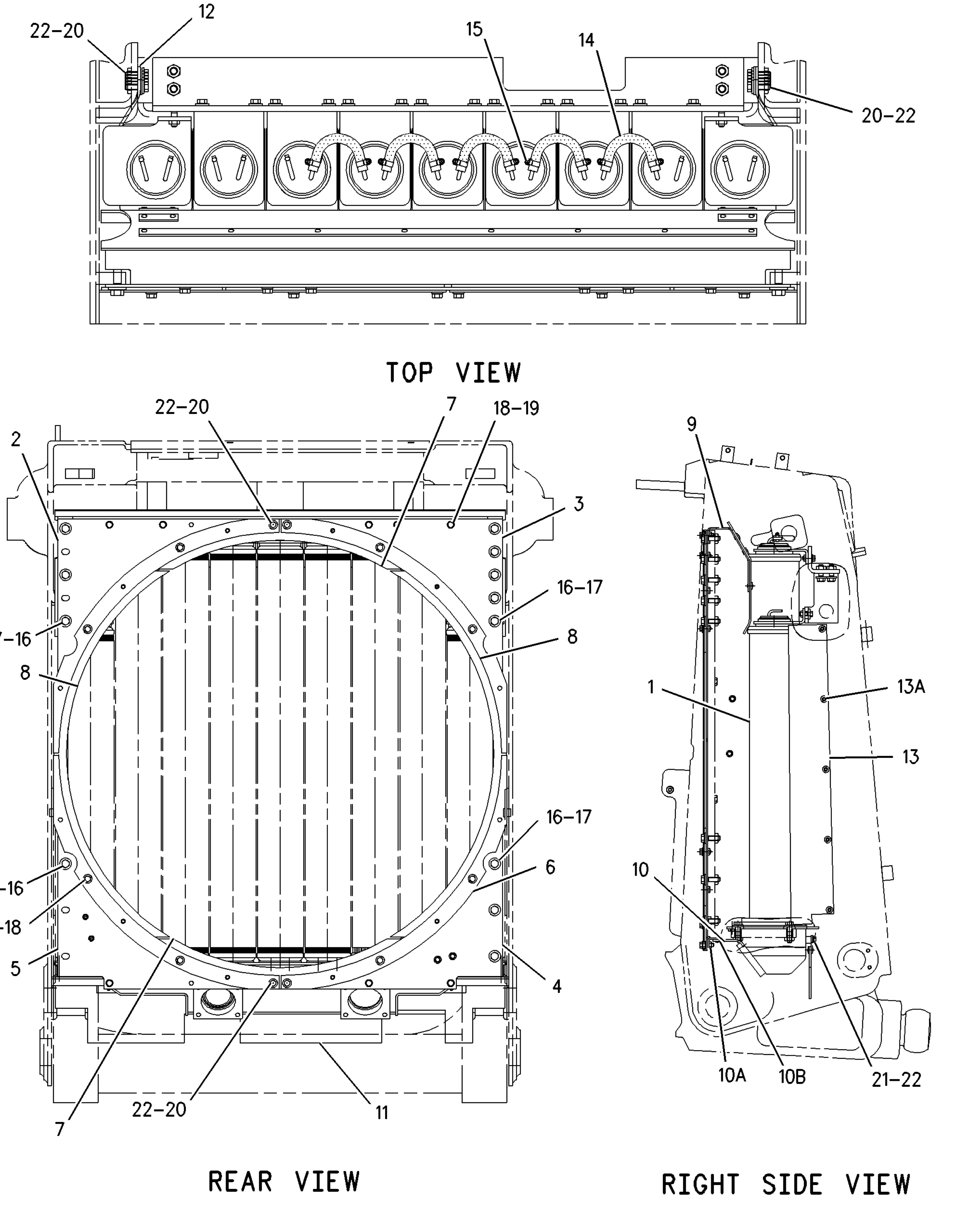
**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1351** **i01391773**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *161-3232* | 1 | RADIATOR GP | 130 |
| | 2 | 1 | **113-7336** | 1 | SHIELD AS-TOP (LH) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **113-7335** | 1 | SHIELD AS-TOP (RH) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **108-1799** | 1 | SHIELD AS (BOTTOM RH) | |
| | | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 5 | 1 | **108-1798** | 1 | SHIELD AS (BOTTOM LH) | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **110-0285** | 4 | STRIP | |
| | 7 | 1 | **108-0957** | 2 | BAFFLE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7G-5186** | 6 | SPACER (13X19X4.5MM THK) | |
| | 8 | 1 | **108-0958** | 2 | BAFFLE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7G-5186** | 6 | SPACER (13X19X4.5MM THK) | |
| | 9 | 1 | **115-9360** | 1 | BAFFLE AS | |
| | | 1 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6B-4594** | 16 | RIVET | |
| | 10 | 1 | **109-3615** | 1 | BAFFLE AS | |
| | 10A | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 10B | 1 | **6B-4594** | 6 | RIVET | |
| | 11 | 1 | **109-3614** | 1 | BAFFLE AS | |
| | | 1 | **6B-4594** | 7 | RIVET | |
| | 12 | 1 | **112-3462** | 2 | STRIP | |
| | 13 | 1 | **166-3773** | 2 | BAFFLE AS | |
| | | | | | (EACH INCLUDES) | |
| | 13A | 1 | **7G-5186** | 5 | SPACER (13X19X4.5MM THK) | |
| | 14 | 1 | **106-4572** | 5 | HOSE | |
| | 15 | 1 | **1P-4278** | 10 | CLAMP-HOSE | |
| | 16 | 1 | **8T-8919** | 12 | BOLT (1/2-13X1.75 IN) | |
| | 17 | 1 | **5P-1076** | 20 | WASHER-HARD (13.5X30X4MM THK) | |
| | 18 | 1 | **4L-6454** | 16 | BOLT (3/8-16X1 IN) | |
| | 19 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 20 | 1 | **9B-7237** | 14 | BOLT (3/8-16X1.25 IN) | |
| | 21 | 1 | **5S-7379** | 6 | BOLT (3/8-16X.875 IN) | |
| | 22 | 1 | **5P-1075** | 20 | WASHER-HARD (10.2X22.5X3MM THK) | |

Y-SEPARATE ILLUSTRATION

*161-2424* **RADIATOR GP** ***(contd.)*** **i01391773**




GRAPHIC #1 g00709232

# *161-3232* RADIATOR GP

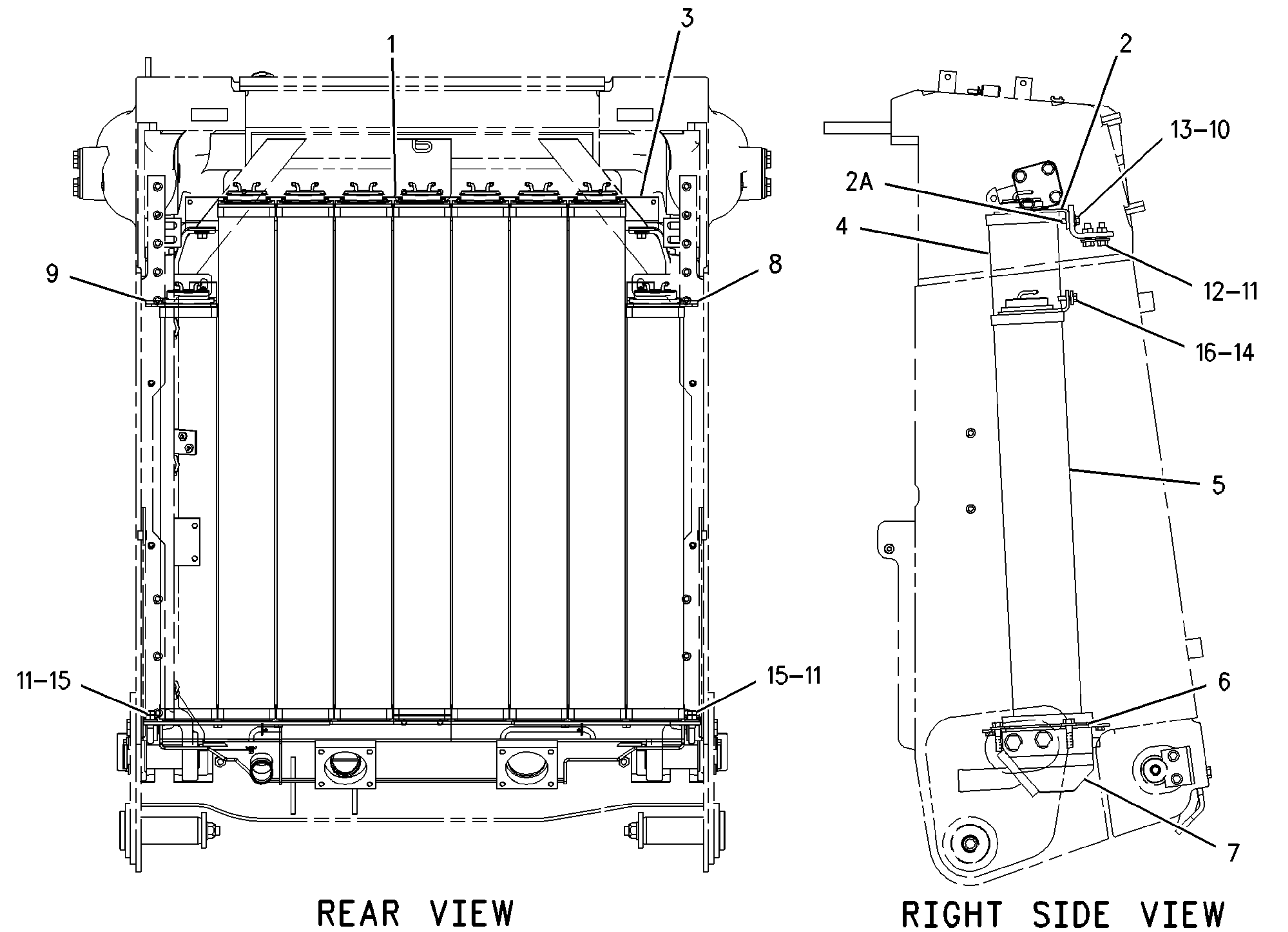
**S/N: AKA1-UP**

**PART OF 161-2424 RADIATOR GP**

**SMCS-1351** **i01461172**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6I-2435** | 9 | SPACER | |
| | 2 | 1 | **108-0697** | 7 | RETAINER AS | |
| | | | | | (EACH INCLUDES) | |
| | 2A | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **109-3611** | 1 | BRACKET AS | |
| | | 1 | **1F-0748** | 4 | NUT-WELD (1/2-13 THD) | |
| | 4 | 1 | **173-4512** | 7 | CORE AS-RADIATOR | |
| | 5 | 1 | **173-4511** | 2 | CORE AS-RADIATOR | |
| | 6 | 1 | **6I-2431** | 9 | SEAL | |
| | 7 | 1 | **166-5336** | 1 | TANK AS-RADIATOR | |
| | | 1 | **1F-0750** | 5 | NUT-WELD (3/8-16 THD) | |
| | 8 | 1 | **109-3609** | 1 | RETAINER AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 9 | 1 | **109-3610** | 1 | RETAINER AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 10 | 1 | **5P-1075** | 14 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 11 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |
| | 12 | 1 | **5P-2566** | 4 | BOLT (1/2-13X1.5 IN) | |
| | 13 | 1 | **8T-2502** | 14 | BOLT (3/8-16X1.125 IN) | |
| | 14 | 1 | **8T-2561** | 2 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 15 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |
| | 16 | 1 | **9B-7237** | 2 | BOLT (3/8-16X1.25 IN) | |

*161-3232* **RADIATOR GP** ***(contd.)*** **i01461172**




GRAPHIC #1 g00691976

## *161-3233* RADIATOR GP

**S/N: AKA1-UP**

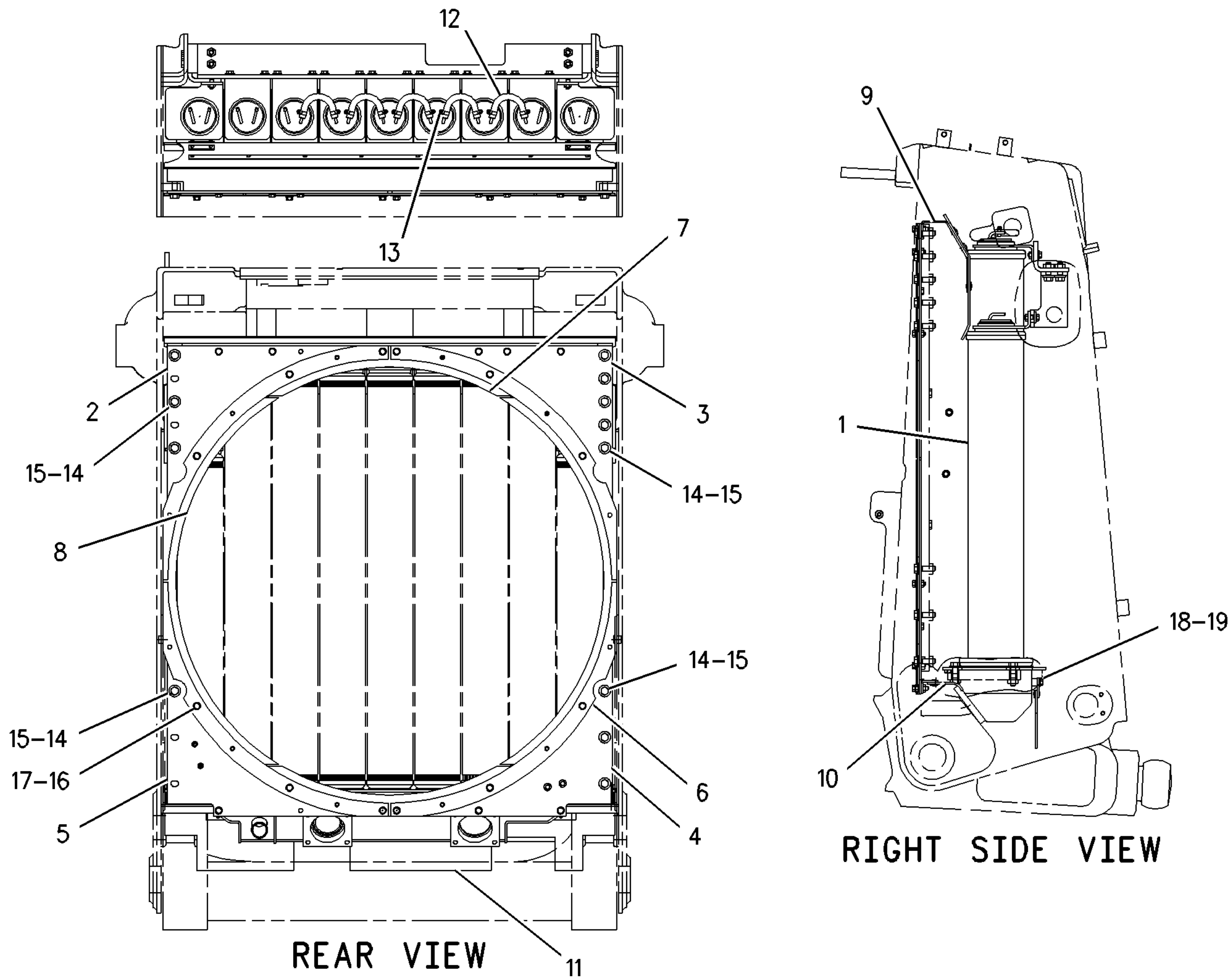
**ADVANCED MODULAR COOLING SYSTEM/TRASH RESISTANT**

**SMCS-1351** **i01488996**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *161-3234* | 1 | RADIATOR GP | 134 |
| | 2 | 1 | **113-7336** | 1 | SHIELD AS-TOP | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **113-7335** | 1 | SHIELD AS-TOP | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **108-1799** | 1 | SHIELD AS | |
| | | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 5 | 1 | **108-1798** | 1 | SHIELD AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **110-0285** | 4 | STRIP | |
| | 7 | 1 | **108-0957** | 2 | BAFFLE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7G-5186** | 6 | SPACER (13X19X4.5MM THK) | |
| | 8 | 1 | **108-0958** | 2 | BAFFLE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7G-5186** | 6 | SPACER (13X19X4.5MM THK) | |
| | 9 | 1 | **115-9360** | 1 | BAFFLE AS | |
| | | 1 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6B-4594** | 16 | RIVET | |
| | 10 | 1 | **109-3615** | 1 | BAFFLE AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6B-4594** | 6 | RIVET | |
| | 11 | 1 | **109-3614** | 1 | BAFFLE AS | |
| | | 1 | **6B-4594** | 7 | RIVET | |
| | 12 | 1 | **106-4572** | 5 | HOSE | |
| | 13 | 1 | **1P-4278** | 10 | CLAMP-HOSE | |
| | 14 | 1 | **8T-8919** | 12 | BOLT (1/2-13X1.75 IN) | |
| | 15 | 1 | **5P-1076** | 12 | WASHER-HARD (13.5X30X4MM THK) | |
| | 16 | 1 | **4L-6454** | 20 | BOLT (3/8-16X1 IN) | |
| | 17 | 1 | **8T-4896** | 20 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 18 | 1 | **5S-7379** | 4 | BOLT (3/8-16X0.875 IN) | |
| | 19 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |

Y-SEPARATE ILLUSTRATION

*161-3233* **RADIATOR GP** ***(contd.)*** **i01488996**




GRAPHIC #1 g00675411

# *161-3234* RADIATOR GP

**S/N: AKA1-UP**

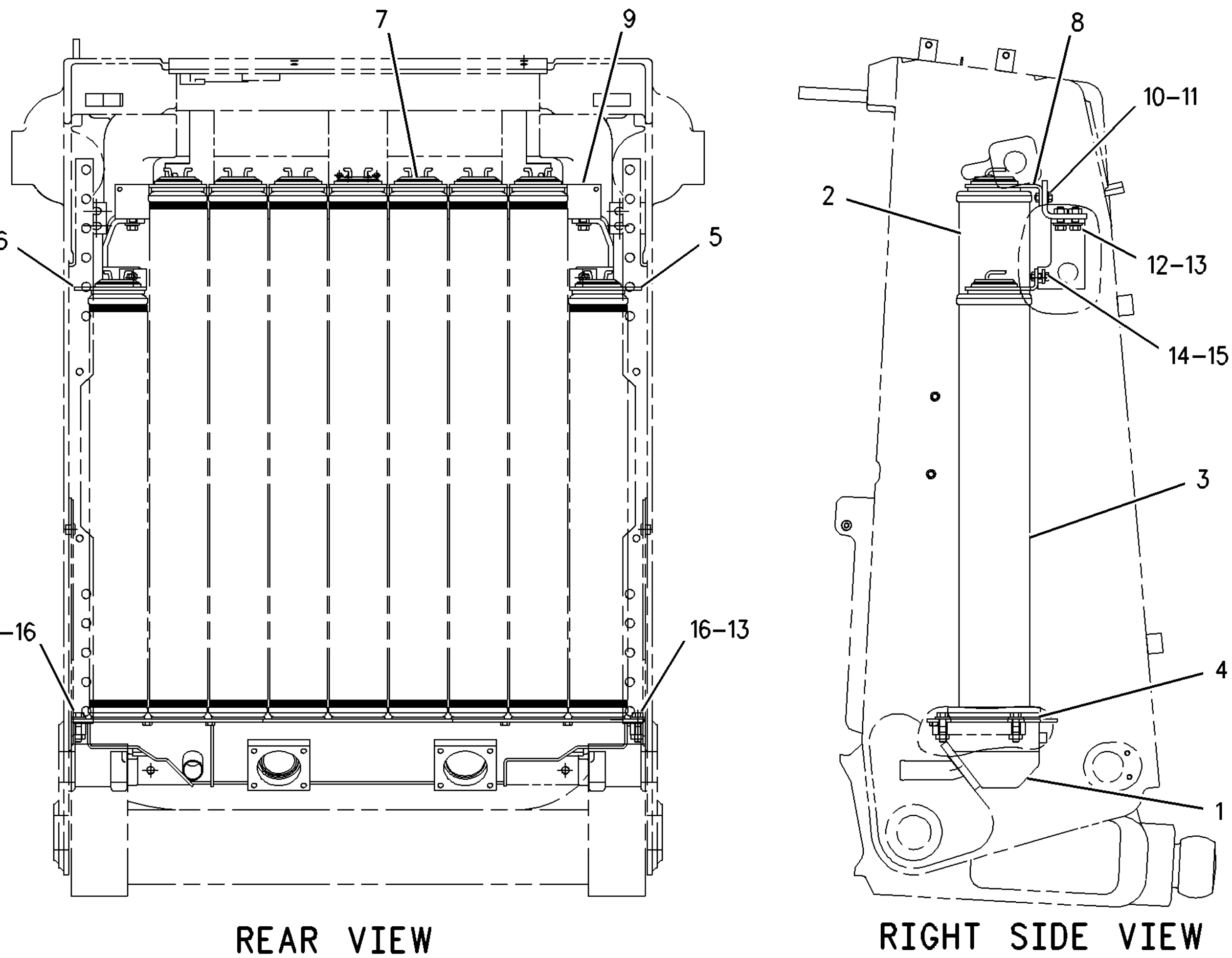
**TRASH RESISTANT**

**PART OF 161-3233 RADIATOR GP**

**SMCS-1351** **i01489002**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **166-5336** | 1 | TANK AS-RADIATOR | |
| | | 1 | **1F-0750** | 5 | NUT-WELD (3/8-16 THD) | |
| | 2 | 1 | **178-9316** | 7 | CORE AS-RADIATOR | |
| | 3 | 1 | **185-7976** | 2 | CORE AS-RADIATOR | |
| | 4 | 1 | **6I-2431** | 9 | SEAL | |
| | 5 | 1 | **109-3609** | 1 | RETAINER AS | |
| | 6 | 1 | **109-3610** | 1 | RETAINER AS | |
| | | | | | (EACH RETAINER AS INCLUDES) | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **6I-2435** | 9 | SPACER | |
| | 8 | 1 | **108-0697** | 7 | RETAINER AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 9 | 1 | **109-3611** | 1 | BRACKET AS | |
| | | 1 | **1F-0748** | 4 | NUT-WELD (1/2-13 THD) | |
| | 10 | 1 | **8T-2502** | 14 | BOLT (3/8-16X1.125 IN) | |
| | 11 | 1 | **5P-1075** | 14 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 12 | 1 | **5P-2566** | 4 | BOLT (1/2-13X1.5 IN) | |
| | 13 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |
| | 14 | 1 | **9B-7237** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 15 | 1 | **8T-2561** | 2 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 16 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |

*161-3234* **RADIATOR GP** ***(contd.)*** **i01489002**




GRAPHIC #1

g00675421

# *134-6054* SWITCH GP-FLOW

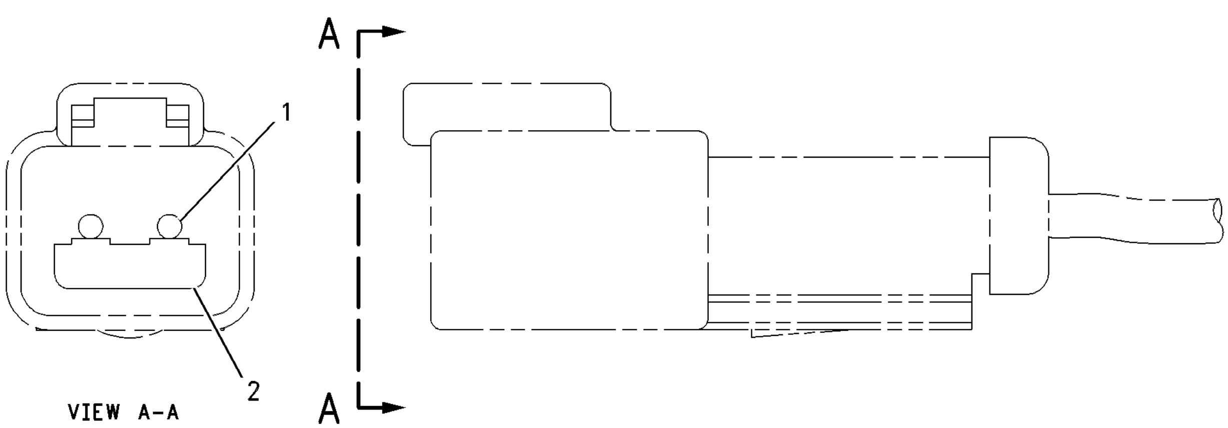
**S/N: BET1-UP**

**COOLANT**

**PART OF 160-4934 LINES GP-WATER**

**SMCS-1435** **i01436923**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 2 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | INCLUDES RECEPTACLE AS. AND WEDGE | |




GRAPHIC #1 g00502937

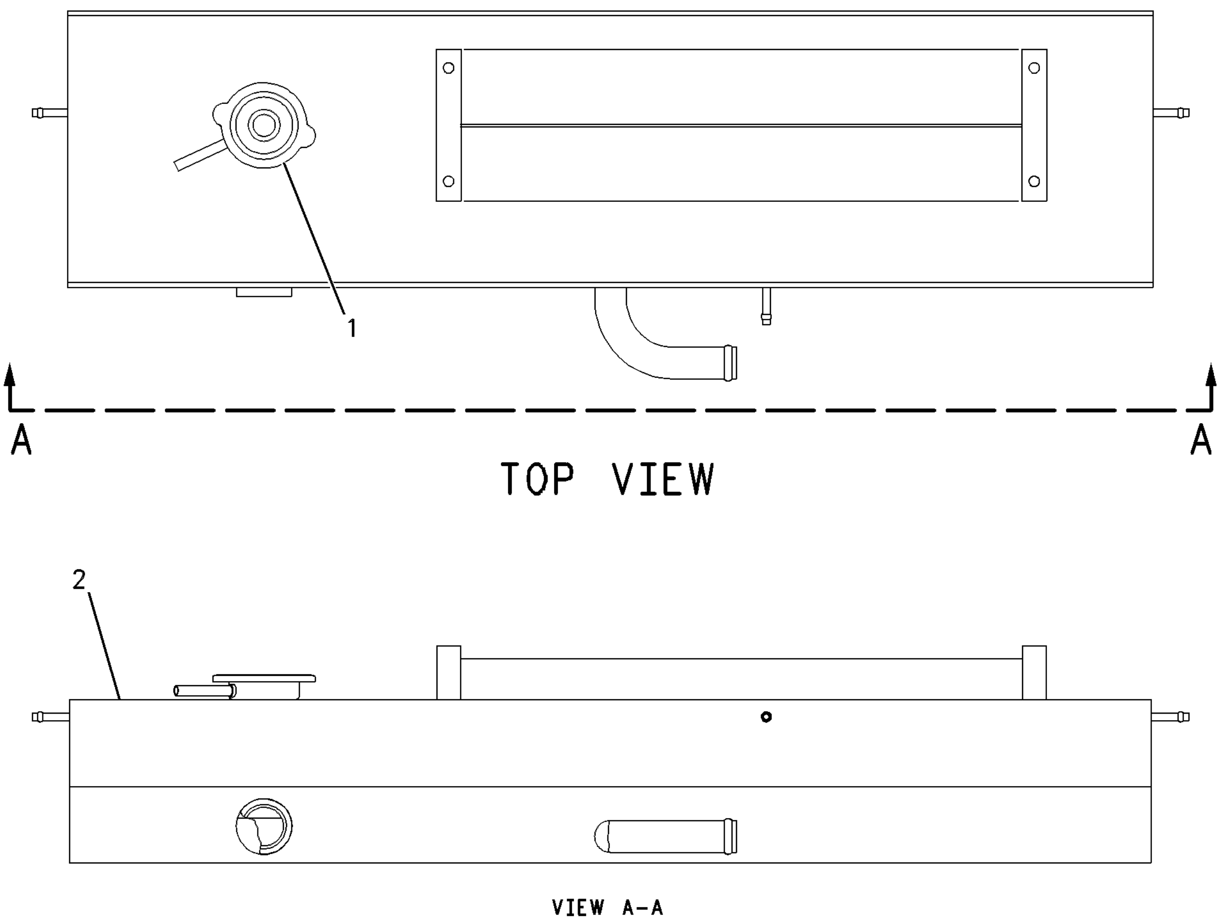
## *165-6940* TANK GP-COOLANT

S/N: AKA1-UP

PART OF 171-1283 TANK GP-WATER

SMCS-1354, 1377 i01369585

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **031-1119** | 1 | CAP AS-RADIATOR | |
| | 2 | 1 | **188-0755** | 1 | TANK AS-COOLANT | |




GRAPHIC #1 g00547744

# COOLING SYSTEM

## *171-1283* TANK GP-WATER

**S/N: AKA1-UP**

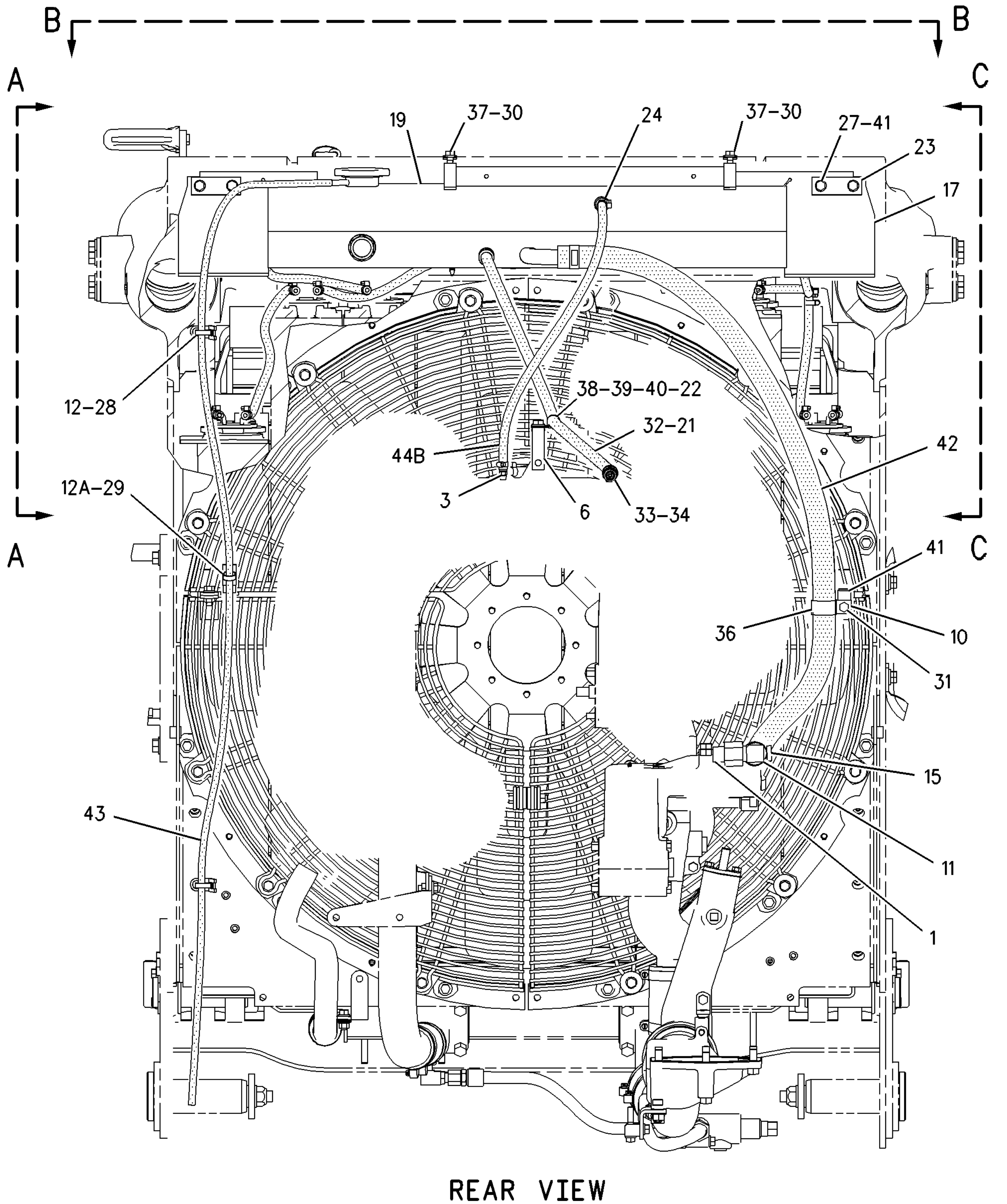
**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1377** **i01486164**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **202-1205** | 1 | ADAPTER-PIPE | |
| | 2 | 2 | **1P-9328** | 1 | FITTING | |
| | 3 | 1 | **2V-4868** | 1 | FITTING (1/8-27 PTF) | |
| | 5 | 2 | **5P-2937** | 1 | ADAPTER-O-RING | |
| | 6 | 1 | **6L-2479** | 1 | BRACE | |
| | 7 | 2 | **6V-1355** | 3 | ELBOW | |
| | 8 | 2 | **7K-1181** | 2 | STRAP-CABLE | |
| | 9 | 2 | **7M-8485** | 1 | SEAL-O-RING | |
| | 10 | 1 | **7N-1277** | 1 | BRACKET AS | |
| | 11 | 1 | **7W-1890** | 1 | ELBOW | |
| J | 12 | 1 | **9X-6772** | 2 | STRAP-CABLE | |
| | 12A | 1 | **9X-6772** | 1 | STRAP-CABLE | |
| | 13 | 2 | **9Y-9236** | 1 | BODY AS-GAUGE | |
| | 14 | 2 | **106-4572** | 1 | HOSE | |
| | 15 | 1 | **110-2445** | 2 | CLAMP-HOSE | |
| | 16 | 2 | **111-7421** | 2 | CAP | |
| | 17 | 1 | **113-6364** | 2 | BAFFLE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7G-5186** | 2 | SPACER (13X19X4.5MM THK) | |
| | 18 | 2 | **164-3759** | 1 | HOSE | |
| Y | 19 | 1 | *165-6940* | 1 | TANK GP-COOLANT | 137 |
| | 20 | 2 | **192-5425** | 1 | TEE | |
| | 21 | 1 | **197-2679** | 1 | HOSE AS | |
| | 22 | 1 | **067-2551** | 1 | CLIP (SLOT) | |
| | 23 | 1 | **113-6363** | 2 | STRIP | |
| | 24 | 1 | **1P-4278** | 16 | CLAMP-HOSE | |
| | 25 | 2 | **3J-7354** | 5 | SEAL-O-RING | |
| | 27 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 28 | 1 | **4P-7429** | 2 | CLIP | |
| | 29 | 1 | **4P-8134** | 1 | CLIP | |
| | 30 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 31 | 1 | **5S-7379** | 1 | BOLT (3/8-16X0.875 IN) | |
| | 32 | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | 33 | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | 34 | 1 | **6V-8737** | 1 | UNION-FACE SEAL | |
| | 35 | 2 | **6V-9872** | 1 | CONNECTOR | |
| | 36 | 1 | **7D-7233** | 1 | CLIP | |
| | 37 | 1 | **8T-2502** | 4 | BOLT (3/8-16X1.125 IN) | |
| | 38 | 1 | **8T-4121** | 2 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 39 | 1 | **8T-4133** | 1 | NUT (M10X1.5 THD) | |
| M | 40 | 1 | **8T-4136** | 1 | BOLT (M10X1.5X25MM) | |
| | 41 | 1 | **8T-4896** | 5 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| E | 42 | 1 | **5P-1251** | | HOSE (145CM) | |
| E | 43 | 1 | **8C-3681** | | HOSE (180CM) | |
| E | 44A | 2 | **5P-1465** | | HOSE (30CM) | |
| E | 44B | 2 | **5P-1465** | | HOSE (71CM) | |
| E | 44C | 2 | **5P-1465** | 2 | HOSE (38CM EACH) | |
| E | 44D | 2 | **5P-1465** | | HOSE (40CM) | |

E-ORDER BY THE CENTIMETER
J-LOCATION TO CLAMP HOSE MAY VARY WITH ATTACHMENTS TO AVOID GETTING PINCHED OR WORN
M-METRIC PART
Y-SEPARATE ILLUSTRATION

*171-1283* **TANK GP-WATER** ***(contd.)*** **i01486164**

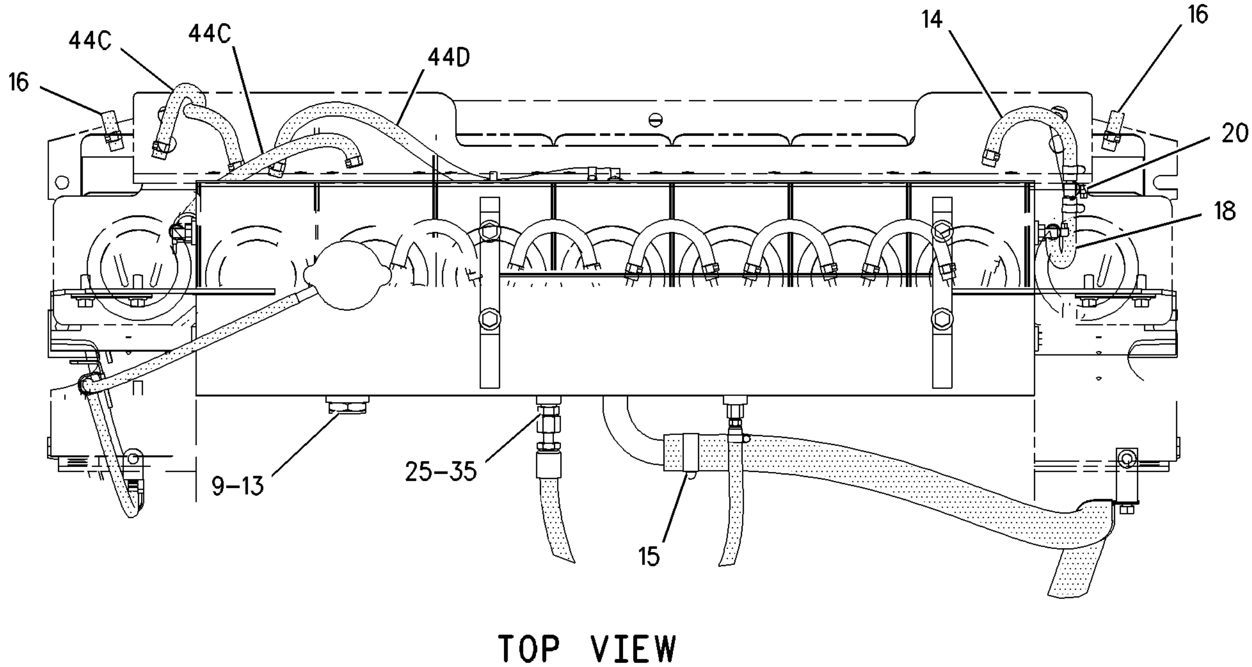


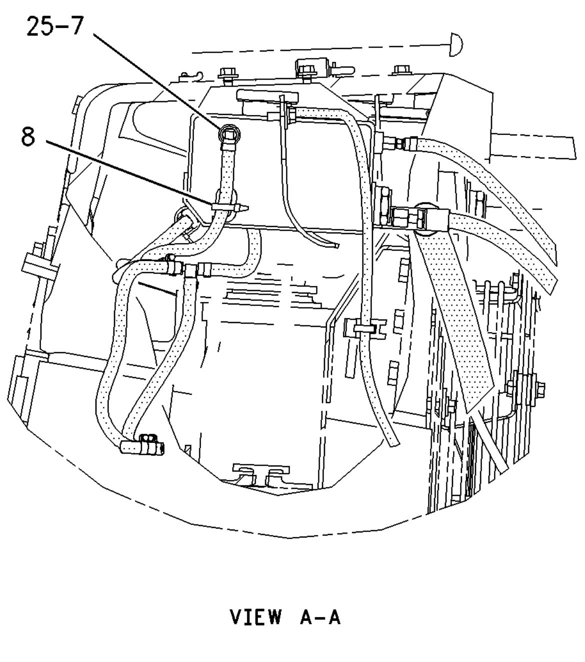

REFER TO ALL ILLUSTRATIONS OF THIS GROUP FOR AUXILIARY VIEWS

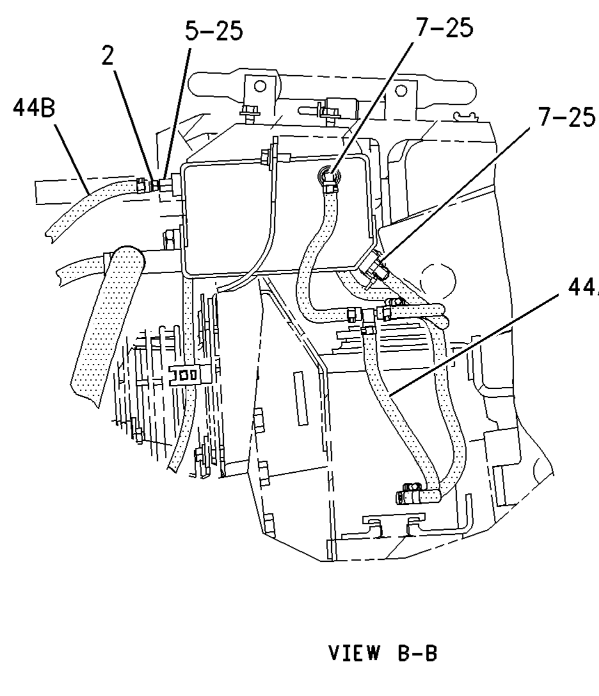
GRAPHIC #1

g00772780

*171-1283* **TANK GP-WATER** ***(contd.)*** **i01486164**




GRAPHIC #2

g00772779

# MEMORANDA

# *160-1122* AFTERCOOLER GP

**S/N: BET1-UP**

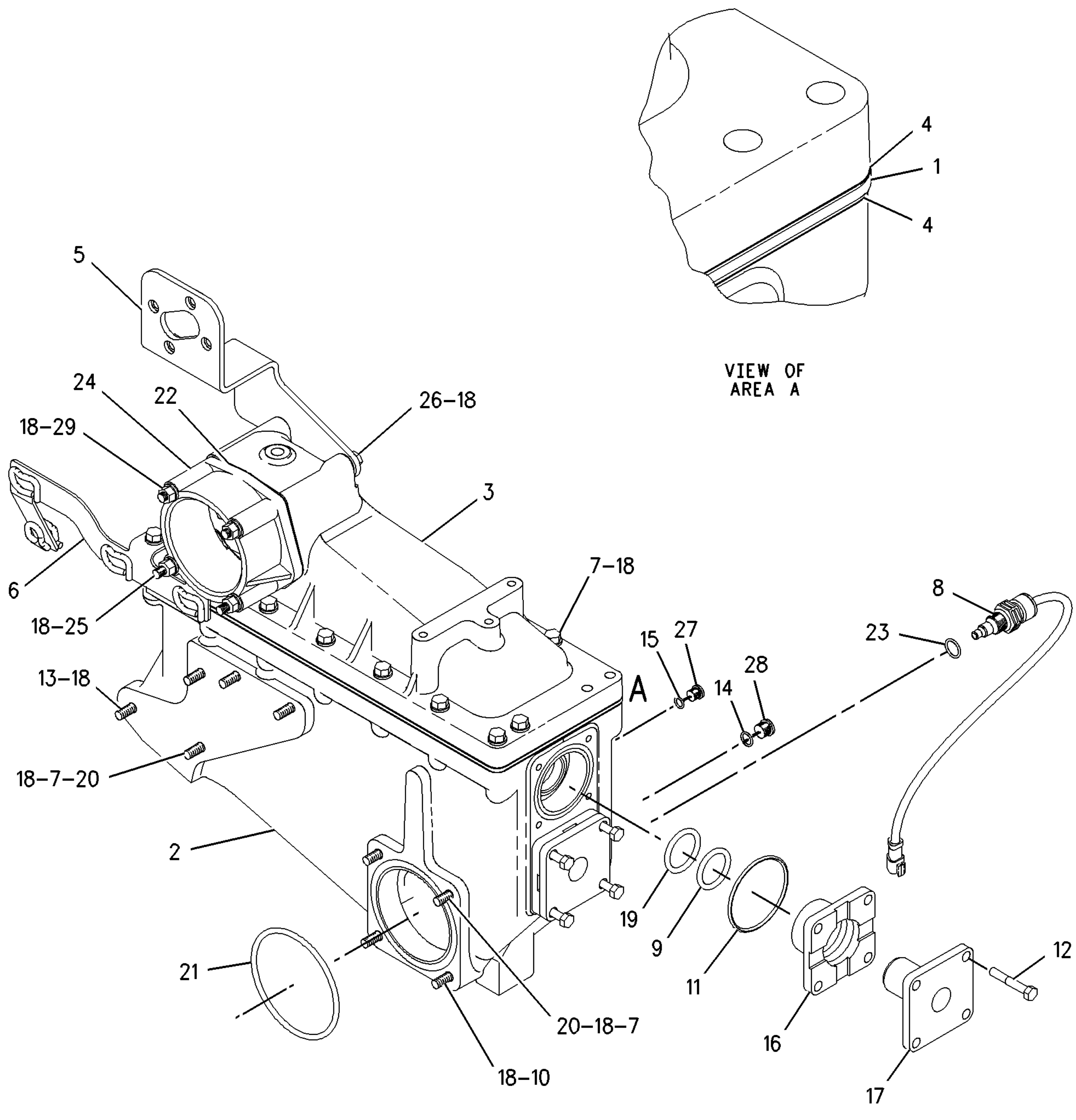
**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1063, 1064, 1079** **i01444645**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **159-0226** | 1 | CORE AS-AFTERCOOLER | |
| | 2 | 1 | **159-1868** | 1 | BASE-AFTERCOOLER | |
| | 3 | 1 | **159-1869** | 1 | COVER-AFTERCOOLER | |
| | 4 | 1 | **161-6291** | 2 | GASKET | |
| | 5 | 1 | **165-4489** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **185-7444** | 1 | BRACKET AS | |
| | 7 | 1 | **0S-1590** | 21 | BOLT (3/8-16X2 IN) | |
| | 8 | 1 | **107-8618** | 1 | SENSOR GP-TEMPERATURE (INLET AIR) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| BE | | 1 | **112-4550** | | SLEEVE | |
| | 9 | 1 | **109-0078** | 2 | SEAL-O-RING (33.47MM ID) | |
| | 10 | 1 | **1A-5964** | 2 | BOLT (3/8-16X4.5 IN) | |
| | 11 | 1 | **1H-7339** | 2 | SEAL-O-RING (75.79MM ID) | |
| | 12 | 1 | **2B-2694** | 8 | BOLT (5/16-18X2 IN) | |
| | 13 | 1 | **3B-1915** | 1 | BOLT (3/8-16X1.37 IN) | |
| | 14 | 1 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | 15 | 1 | **3J-7354** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 16 | 1 | **4N-4193** | 2 | ADAPTER | |
| | 17 | 1 | **4W-4775** | 2 | ADAPTER | |
| | 18 | 1 | **5M-2894** | 32 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 19 | 1 | **5P-7204** | 2 | SEAL-O-RING (34.29 ID) | |
| | 20 | 1 | **6V-4365** | 6 | SEAL-O-RING (9.19MM ID) | |
| | 21 | 1 | **7D-7111** | 1 | SEAL-O-RING (110.49MM ID) | |
| | 22 | 1 | **7W-0688** | 1 | GASKET-ADAPTER | |
| | 23 | 1 | **8L-2786** | 1 | SEAL-O-RING (16.36MM ID) | |
| | 24 | 1 | **8N-8100** | 1 | ADAPTER | |
| | 25 | 1 | **9F-2773** | 2 | BOLT (3/8-16X8.5 IN) | |
| | 26 | 1 | **9F-8999** | 2 | BOLT (3/8-16X7IN) | |
| | 27 | 1 | **9S-8002** | 1 | PLUG-O-RING | |
| N | 28 | 1 | **9S-8004** | 1 | PLUG | |
| | 29 | 1 | **9S-8752** | 4 | NUT-FULL (3/8-16 THD) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
N-NEW PART

## *160-1122* **AFTERCOOLER GP** *(contd.)* **i01444645**




GRAPHIC #1 g00750572

# *161-2430* AIR CLEANER GP

**S/N: AKA1-UP**

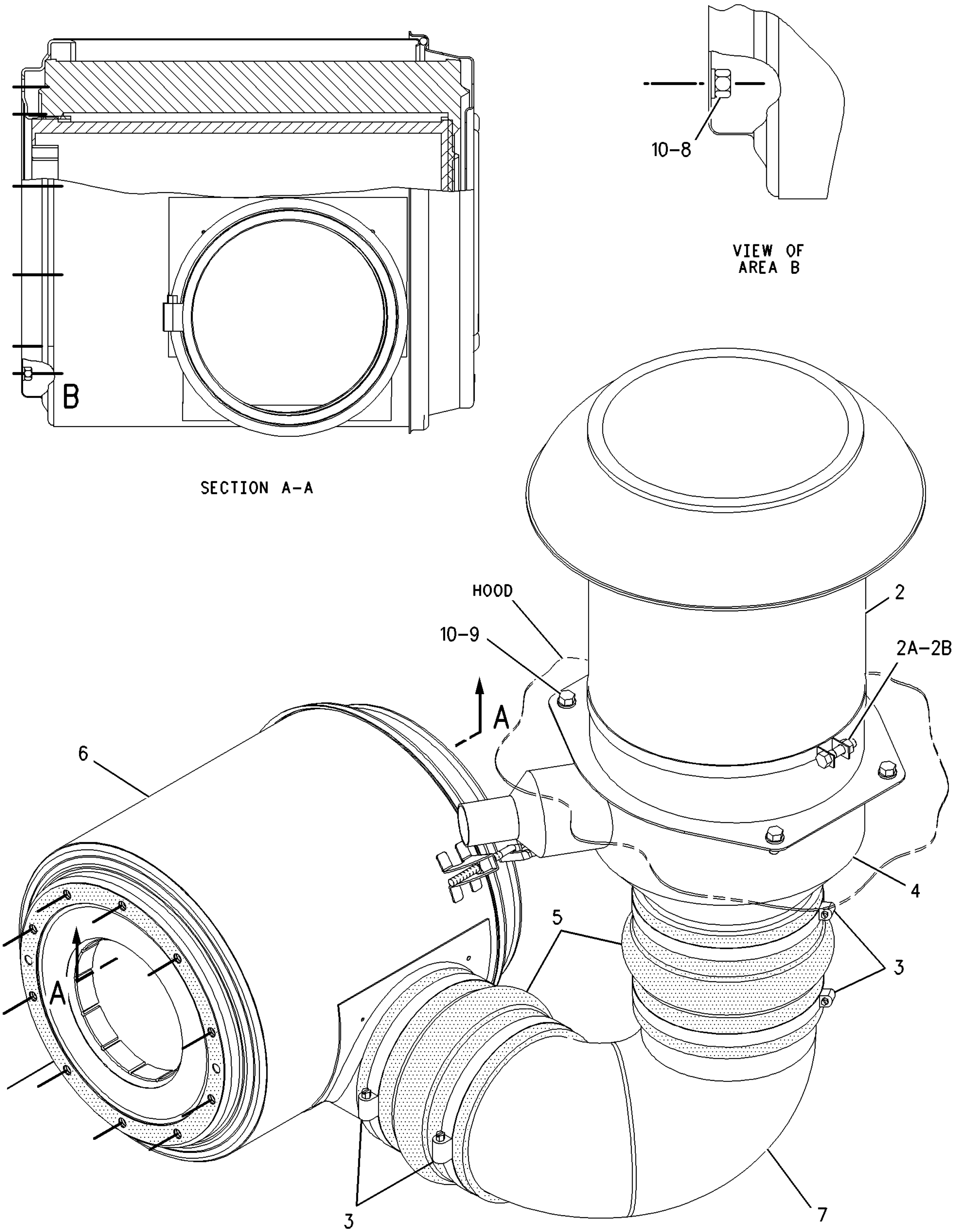
**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1051, 1054** **i01391876**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1P-9390** | 1 | GASKET-OUTLET | |
| | 2 | 1 | **7S-8817** | 1 | PRECLEANER AS | |
| | | 1 | **0S-1591** | 1 | BOLT (3/8-16X1.5 IN) | |
| | | 1 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 3 | 1 | **9M-2904** | 4 | CLAMP-HOSE | |
| | 4 | 1 | **121-4865** | 1 | BODY AS | |
| | 5 | 1 | **164-9760** | 2 | HOSE | |
| Y | 6 | 1 | **164-9761** | 1 | AIR CLEANER GP | 146 |
| | 7 | 1 | **165-2524** | 1 | TUBE | |
| | 8 | 1 | **2K-4973** | 10 | LOCKNUT (3/8-16 THD) | |
| | 9 | 1 | **5M-3062** | 4 | BOLT (3/8-16X.75 IN) | |
| | 10 | 1 | **8T-4896** | 14 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

Y-SEPARATE ILLUSTRATION

*161-2430* **AIR CLEANER GP** ***(contd.)*** **i01391876**




GRAPHIC #1 g00726337

## *164-9761* AIR CLEANER GP

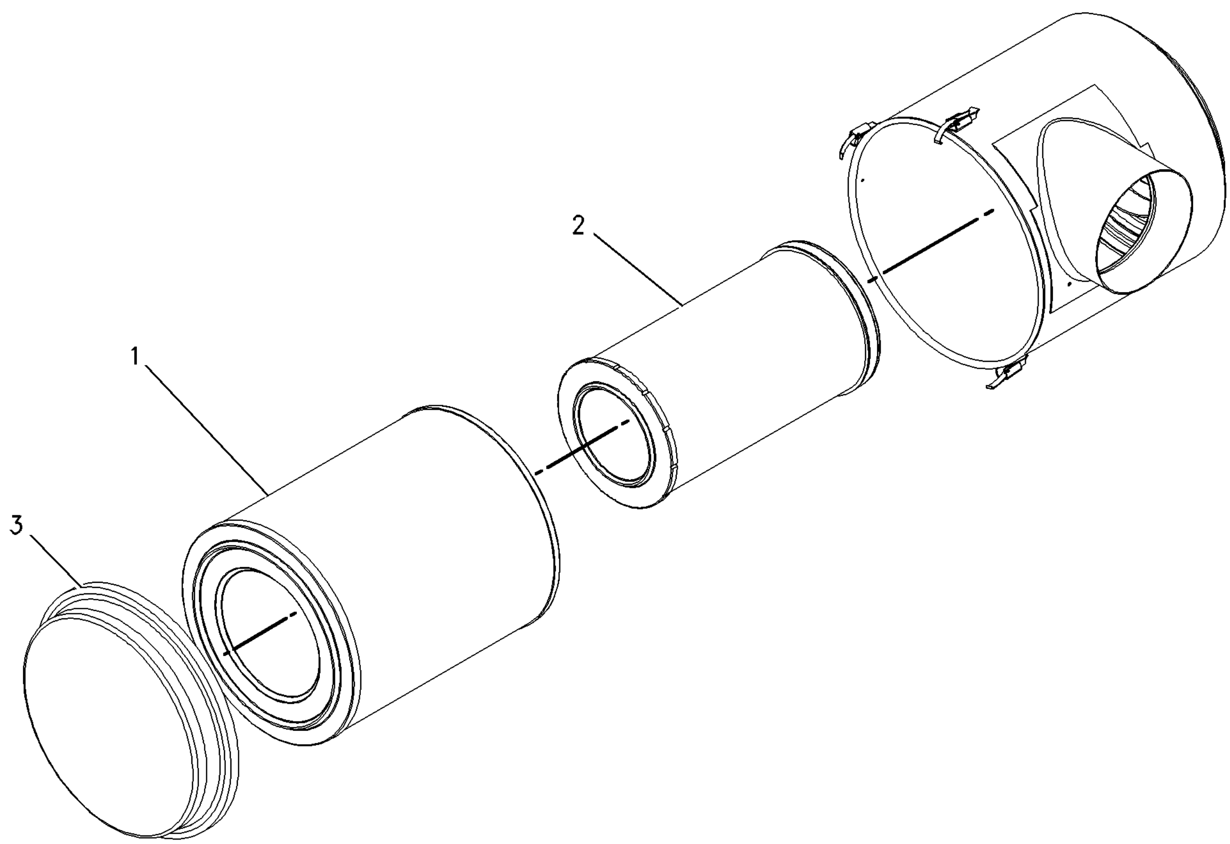
**S/N: AKA1-UP**

**BASIC**

**PART OF 161-2430 AIR CLEANER GP**

**SMCS-1051, 1054** i01391873

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6I-2505** | 1 | FILTER ELEMENT AS-AIR (PRIMARY) | |
| | 2 | 1 | **6I-2506** | 1 | FILTER ELEMENT AS-AIR (SECONDARY) | |
| | 3 | 1 | **6I-4465** | 1 | COVER AS-AIR CLEANER | |
| | | 1 | **101-2850** | 1 | FILM-AIR CLEANER (RADIAL SEAL) | |




GRAPHIC #1 g00726461

# *122-3347* DUST EJECTOR GP

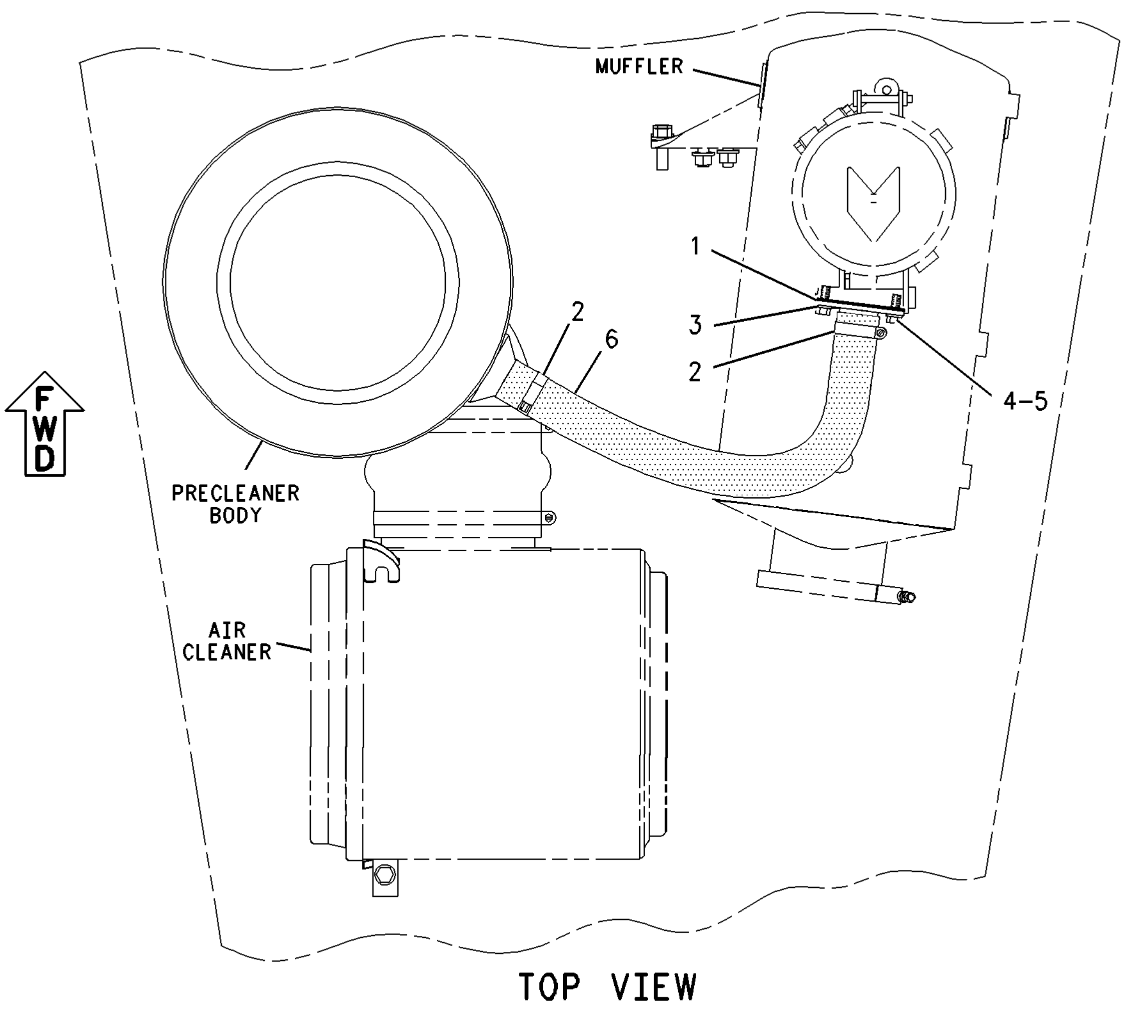
**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1068** **i01341049**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7W-2735** | 1 | GASKET | |
| | 2 | 1 | **9M-2904** | 2 | CLAMP-HOSE | |
| | 3 | 1 | **122-4490** | 1 | ADAPTER AS-HOSE | |
| | 4 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 5 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| BE | 6 | 1 | **5P-2817** | | HOSE | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00709941

# AIR INLET AND EXHAUST SYSTEM

## *102-4360* INDICATOR AR-AIR CLEANER

**S/N: AKA1-UP**

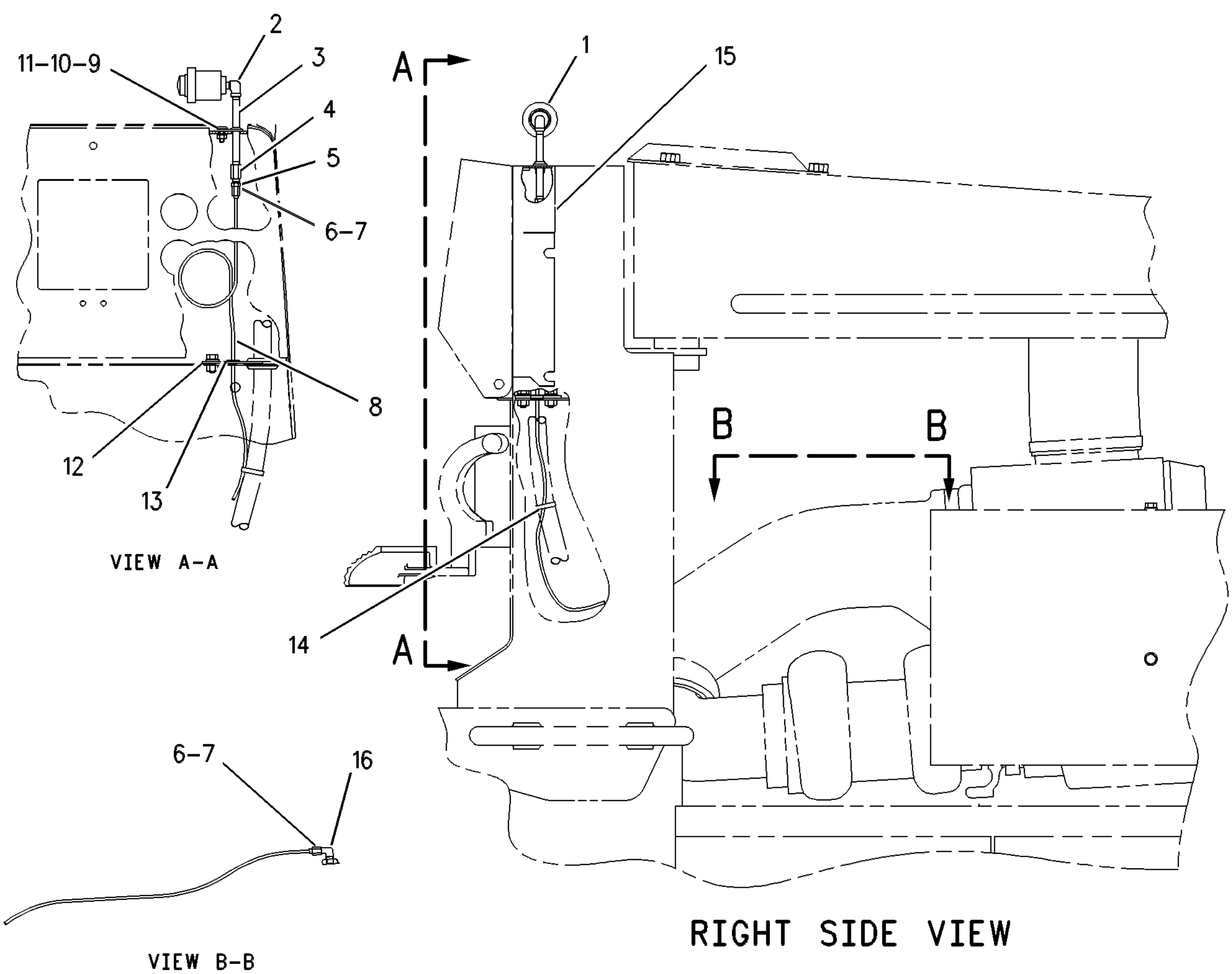
**AIR CLEANER (DASH MOUNTED) OPEN ROPS**

**PART OF 123-6615 PRECLEANER AR**

**SMCS-7452** **i01248491**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8N-2694** | 1 | INDICATOR-AIR FILTER SERVICE | |
| | 2 | 1 | **3B-6552** | 1 | ELBOW (90 DEGREES) | |
| | 3 | 1 | **103-4916** | 1 | PIPE AS | |
| | 4 | 1 | **3B-6487** | 1 | COUPLING | |
| | 5 | 1 | **5P-7907** | 1 | CONNECTOR | |
| | 6 | 1 | **5P-6313** | 2 | NUT-FLARELESS | |
| | 7 | 1 | **5P-6314** | 2 | SLEEVE-FLARELESS | |
| BD | 8 | 1 | **5P-5630** | | TUBE (1.9M) | |
| | 9 | 1 | **4V-6981** | 1 | SCREW-BUTTON HEAD (1/4-20X.75IN) | |
| | 10 | 1 | **8T-4205** | 1 | WASHER-HARD (2MM THK) | |
| | 11 | 1 | **6V-8185** | 1 | NUT (1/4-20 THD) | |
| | 12 | 1 | **103-3711** | 1 | RETAINER | |
| | 13 | 1 | **2V-1937** | 1 | GROMMET | |
| B | 14 | 1 | **7K-1181** | 5 | STRAP-CABLE (4IN DIA) | |
| | 15 | 1 | **1Q-3770** | 1 | PLATE AS | |
| | 16 | 1 | **5P-6315** | 1 | ELBOW-FLARELESS | |

B-USE AS REQUIRED
D-ORDER BY THE METER




GRAPHIC #1 g00505612

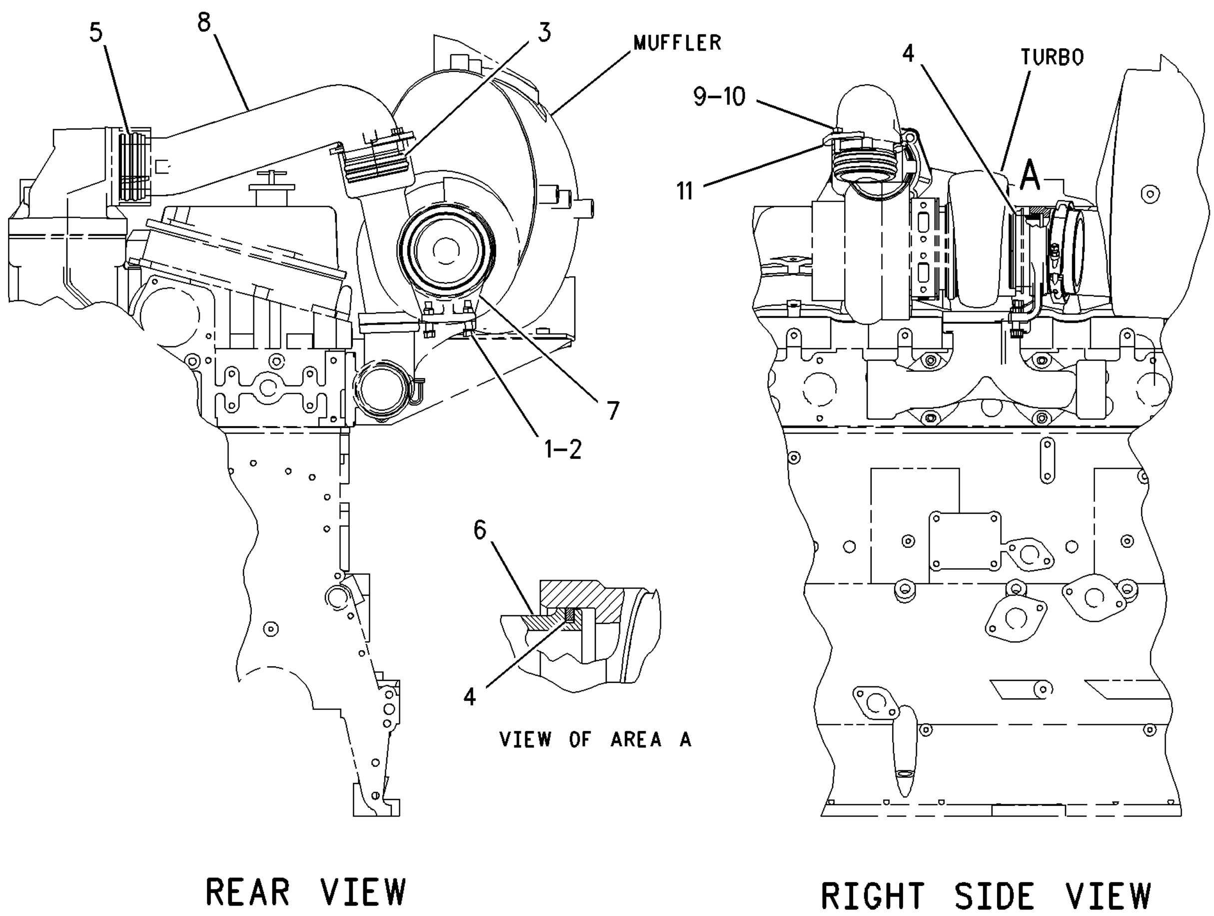
# *156-8543* LINES GP-AIR

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1058** **i01445120**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2N-2765** | 2 | BOLT-HIGH TEMPERATURE (3/8-16X1.75IN) | |
| | 2 | 1 | **2N-2766** | 2 | LOCKNUT | |
| | 3 | 1 | **4L-8337** | 2 | SEAL-O-RING (81MM ID) | |
| | 4 | 1 | **5L-8854** | 2 | RING-SEALING | |
| | 5 | 1 | **5S-1188** | 2 | SEAL-O-RING (88.26MM ID) | |
| | 6 | 1 | **9L-5839** | 1 | COUPLING-EXHAUST | |
| | 7 | 1 | **156-8073** | 1 | SUPPORT-EXHAUST PIPE | |
| | 8 | 1 | **159-1870** | 1 | ELBOW | |
| | 9 | 1 | **0S-1588** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 10 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 11 | 1 | **8N-8571** | 2 | RETAINER | |




GRAPHIC #1 g00665661

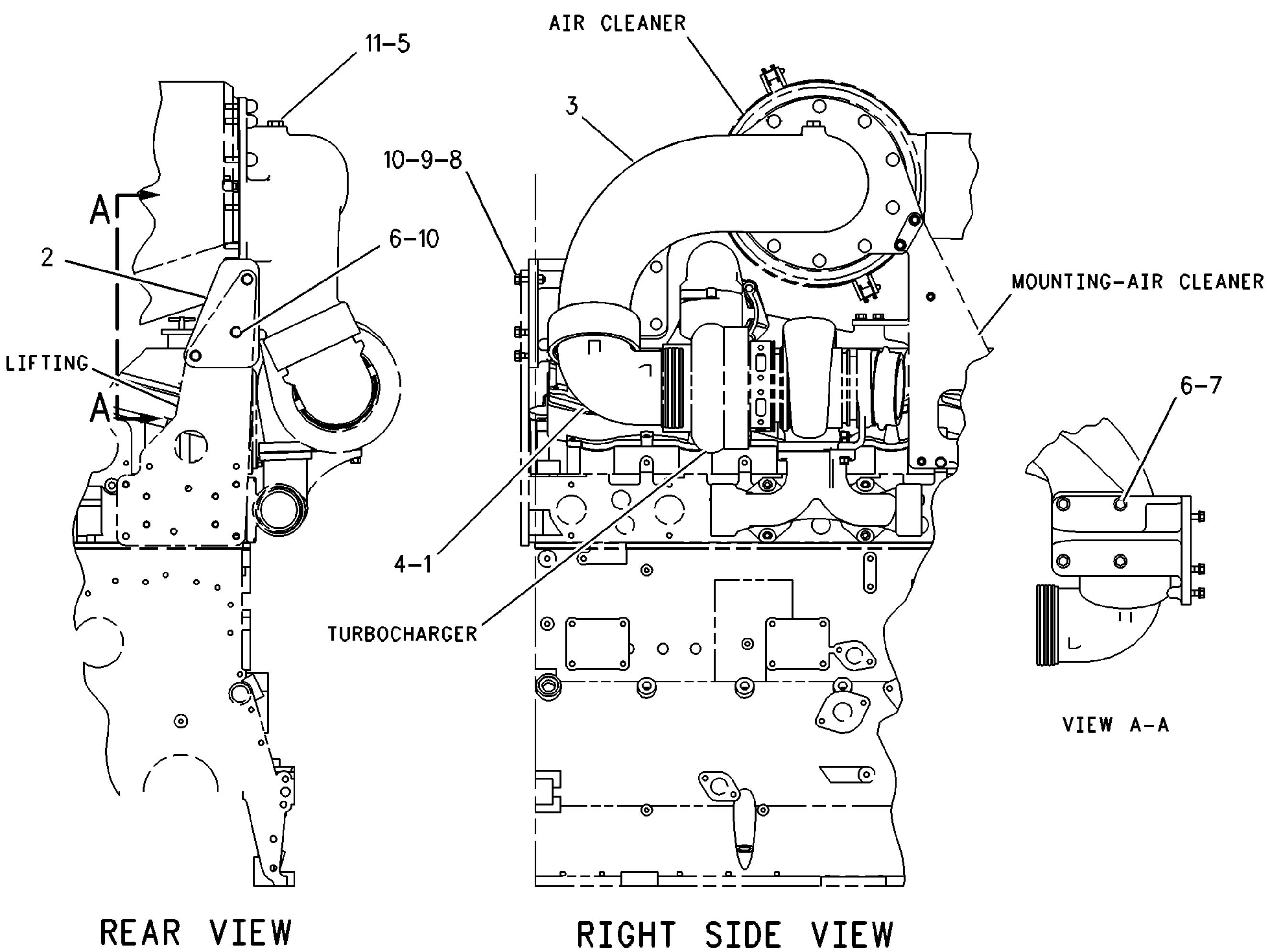
# *161-2431* LINES GP-AIR

**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1058** **i01392646**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7N-6908** | 1 | ELBOW | |
| | 2 | 1 | **121-4862** | 1 | SUPPORT | |
| | 3 | 1 | **160-4713** | 1 | PIPE AS-AIR TRANSFER | |
| | | 1 | **2M-1538** | 10 | STUD-TAPERLOCK | |
| | | 1 | **7M-1674** | 1 | ELEMENT-FILTER | |
| | | 1 | **8T-6764** | 1 | PLUG-PIPE | |
| | 4 | 1 | **2M-5173** | 4 | SEAL-O-RING (126.36MM ID) | |
| | 5 | 1 | **3K-0360** | 1 | SEAL-O-RING (16.36MM ID) | |
| | 6 | 1 | **4L-9337** | 6 | BOLT (3/8-16X1.5 IN) | |
| | 7 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 8 | 1 | **5S-7383** | 1 | BOLT (3/8-16X1.75 IN) | |
| | 9 | 1 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 10 | 1 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 11 | 1 | **9S-4185** | 1 | PLUG-O-RING | |




GRAPHIC #1 g00649383

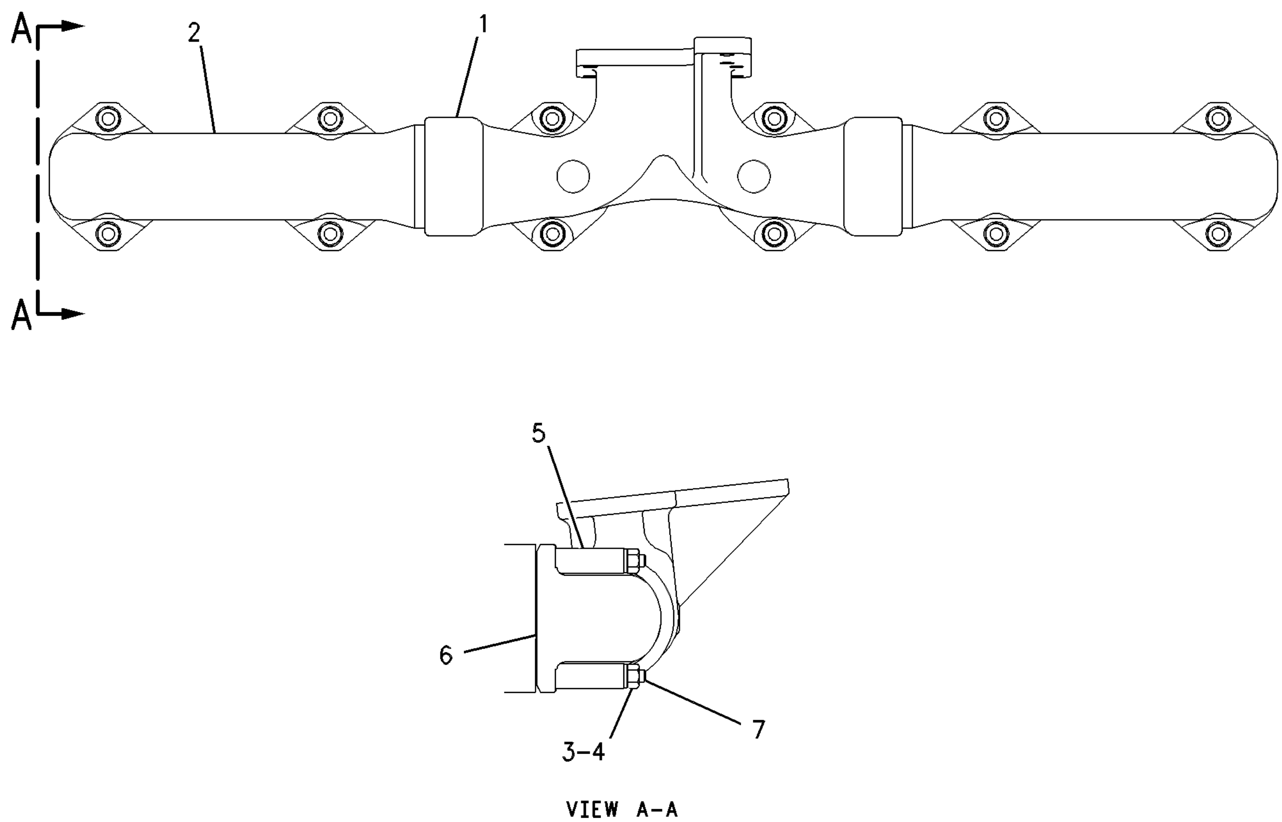
## *157-7087* MANIFOLD GP-EXHAUST

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1059** **i01445074**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **157-7086** | 1 | MANIFOLD-EXHAUST | |
| | 2 | 1 | **102-8608** | 2 | MANIFOLD-EXHAUST | |
| | 3 | 1 | **2N-2766** | 12 | LOCKNUT | |
| | 4 | 1 | **5M-2894** | 12 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 5 | 1 | **108-3612** | 12 | SPACER (53MM THK) | |
| | 6 | 1 | **129-9452** | 6 | GASKET-EXHAUST MANIFOLD | |
| | 7 | 1 | **106-1792** | 12 | STUD-TAPERLOCK (3/8-16X3.93IN) | |




GRAPHIC #1 g00532183

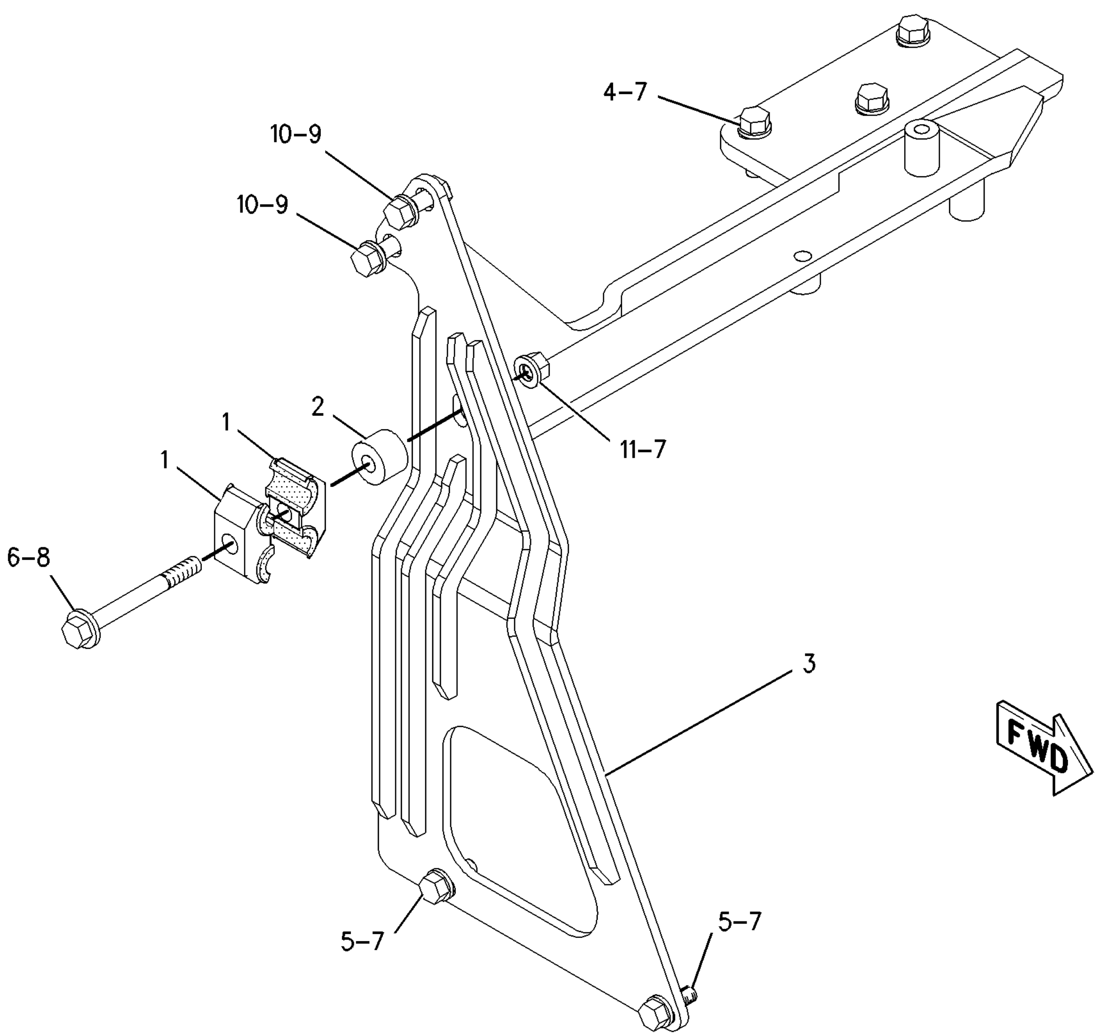
# *164-2553* MOUNTING GP-AIR CLEANER

**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1051** **i01456181**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4P-0706** | 2 | CLAMP AS | |
| | 2 | 1 | **8L-5423** | 1 | SPACER (0.712 IN THK) | |
| | 3 | 1 | **163-0895** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **0S-1588** | 3 | BOLT (3/8-16X1.25 IN) | |
| | 5 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 6 | 1 | **0T-0065** | 1 | BOLT (3/8-16X3.5 IN) | |
| | 7 | 1 | **5M-2894** | 6 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 8 | 1 | **5P-1075** | 1 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 9 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 10 | 1 | **9B-7237** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 11 | 1 | **9S-8752** | 1 | NUT-FULL (3/8-16 THD) | |




GRAPHIC #1

g00758014

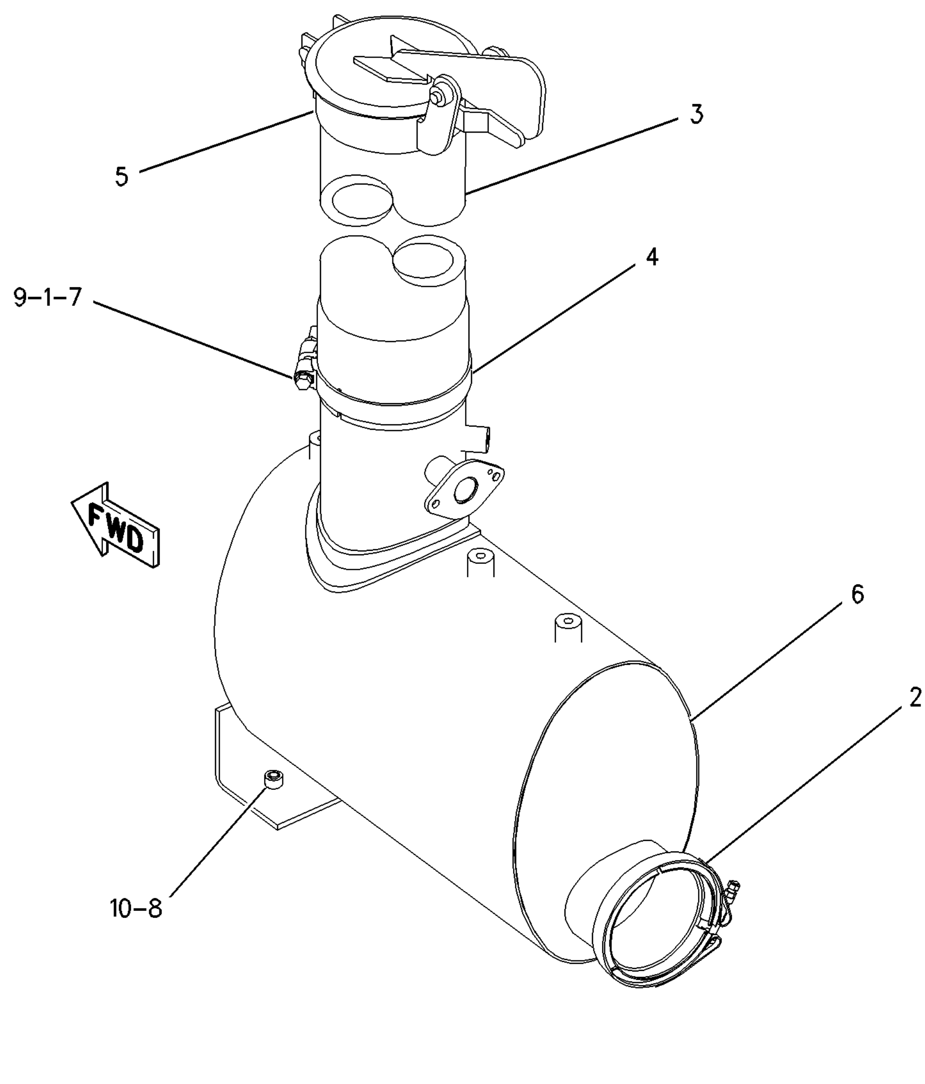
# *156-8539* MUFFLER GP

S/N: AKA1-UP

PART OF 159-5908 INSTALLATION AR-ENGINE

SMCS-1062 | i01486037

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1B-5355** | 1 | NUT-FULL (3/8-16THD) | |
| | 2 | 1 | **1W-3088** | 1 | CLAMP | |
| | 3 | 1 | **7C-2991** | 1 | EJECTOR AS | |
| | 4 | 1 | **7N-5686** | 1 | CLAMP | |
| | 5 | 1 | **7S-4411** | 1 | CAP AS-RAIN | |
| | 6 | 1 | **164-9633** | 1 | MUFFLER AS | |
| | 7 | 1 | **0S-1608** | 1 | BOLT (3/8-16X3.75 IN) | |
| | 8 | 1 | **1A-2029** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 9 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 10 | 1 | **9L-9132** | 2 | WASHER (10.2X25.5X2.5MM THK) | |




GRAPHIC #1 g00772678

# AIR INLET AND EXHAUST SYSTEM

## *202-1345* MUFFLER GP

**S/N: AKA1-UP**

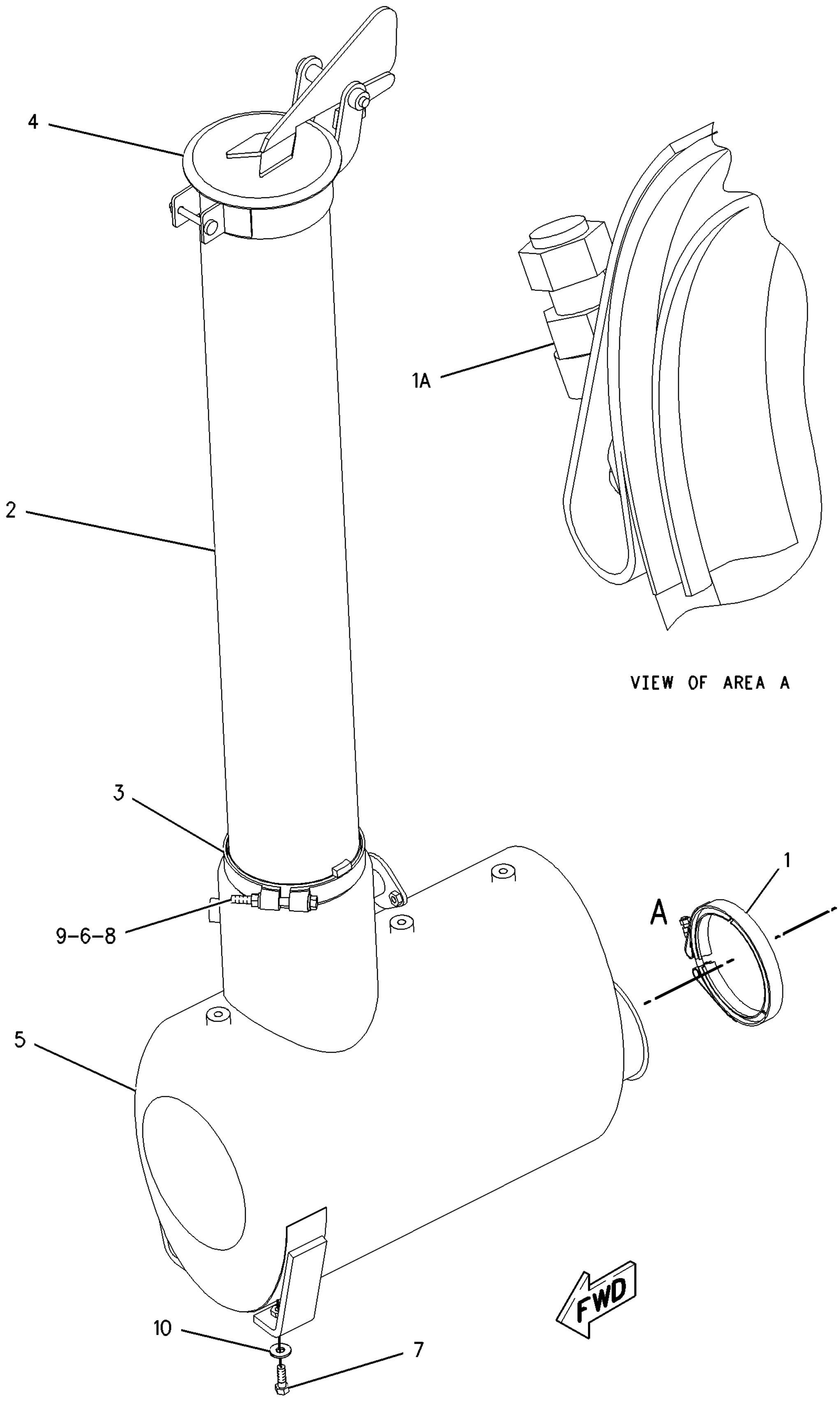
**THERMO**

**PART OF 160-4366 SHIELD AR-THERMO, 157-8035 SUPPRESSION AR-SOUND**

**SMCS-1062** **i01480851**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1W-3088** | 1 | CLAMP | |
| | 1A | 1 | **8T-0122** | 1 | NUT-FULL (HIGH TEMPERATURE) | |
| | 2 | 1 | **7C-1175** | 1 | EJECTOR AS | |
| | 3 | 1 | **7N-5686** | 1 | CLAMP | |
| | 4 | 1 | **7S-4411** | 1 | CAP AS-RAIN | |
| | 5 | 1 | **200-3200** | 1 | MUFFLER AS | |
| | 6 | 1 | **0S-1608** | 1 | BOLT (3/8-16X3.75 IN) | |
| | 7 | 1 | **1A-2029** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 8 | 1 | **1B-5355** | 1 | NUT-FULL (3/8-16THD) | |
| | 9 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 10 | 1 | **9L-9132** | 2 | WASHER (10.2X25.5X2.5MM THK) | |

*202-1345* **MUFFLER GP** ***(contd.)*** **i01480851**




GRAPHIC #1

g00769921

# *123-6615* PRECLEANER AR

**S/N: AKA1-UP**

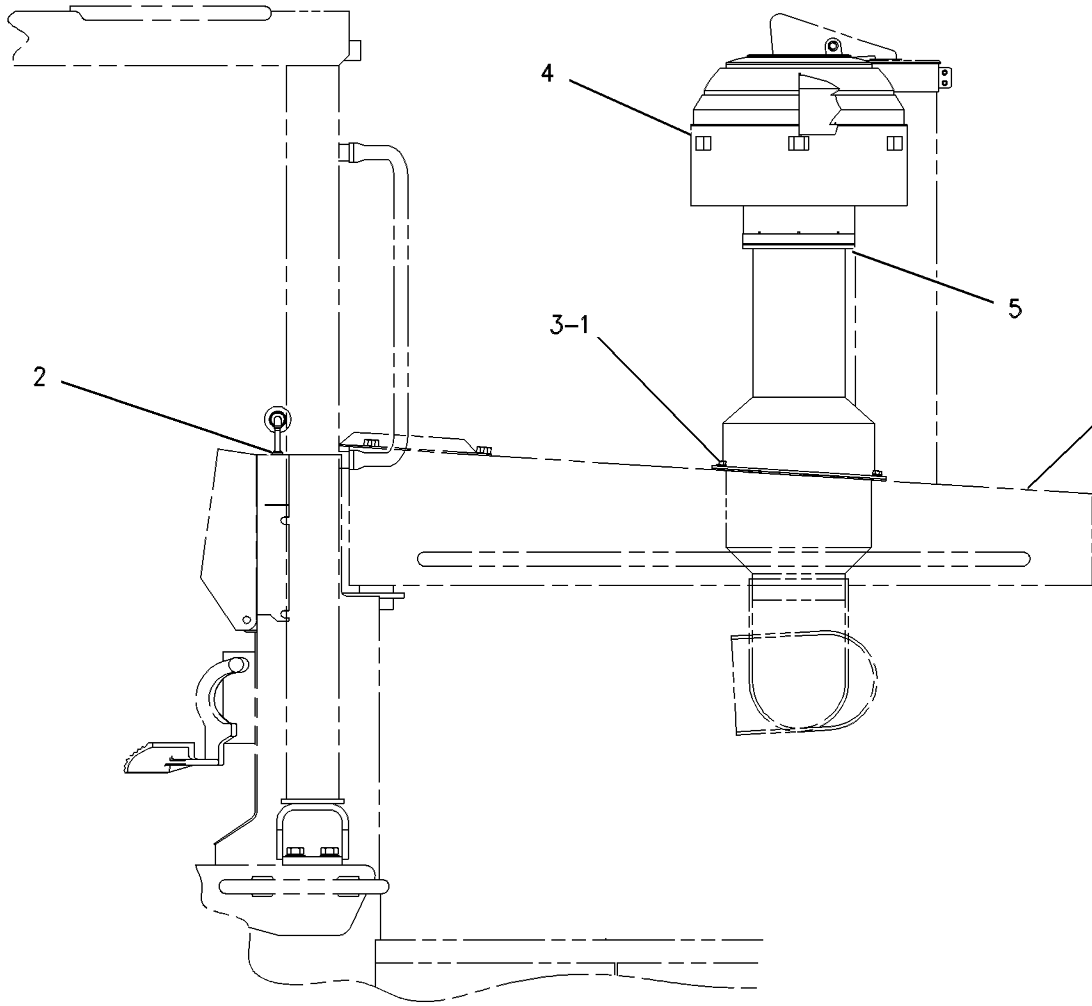
**TURBINE (NO SCREEN) OPEN ROPS**

**CANNOT BE USED WITH CAB ARRANGEMENT**

**SMCS-1055** **i01248490**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8T-4896** | 4 | WASHER-HARD (2.5MM THK) | |
| Y | 2 | 1 | *102-4360* | 1 | INDICATOR AR-AIR CLEANER | 148 |
| | 3 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 4 | 1 | **143-1224** | 1 | PRECLEANER AS | |
| | 5 | 1 | **107-7495** | 1 | DAMPER | |
| | 6 | 1 | **145-5985** | 1 | HOOD AS | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00505603

## *160-7441* PRECLEANER AR–TURBINE

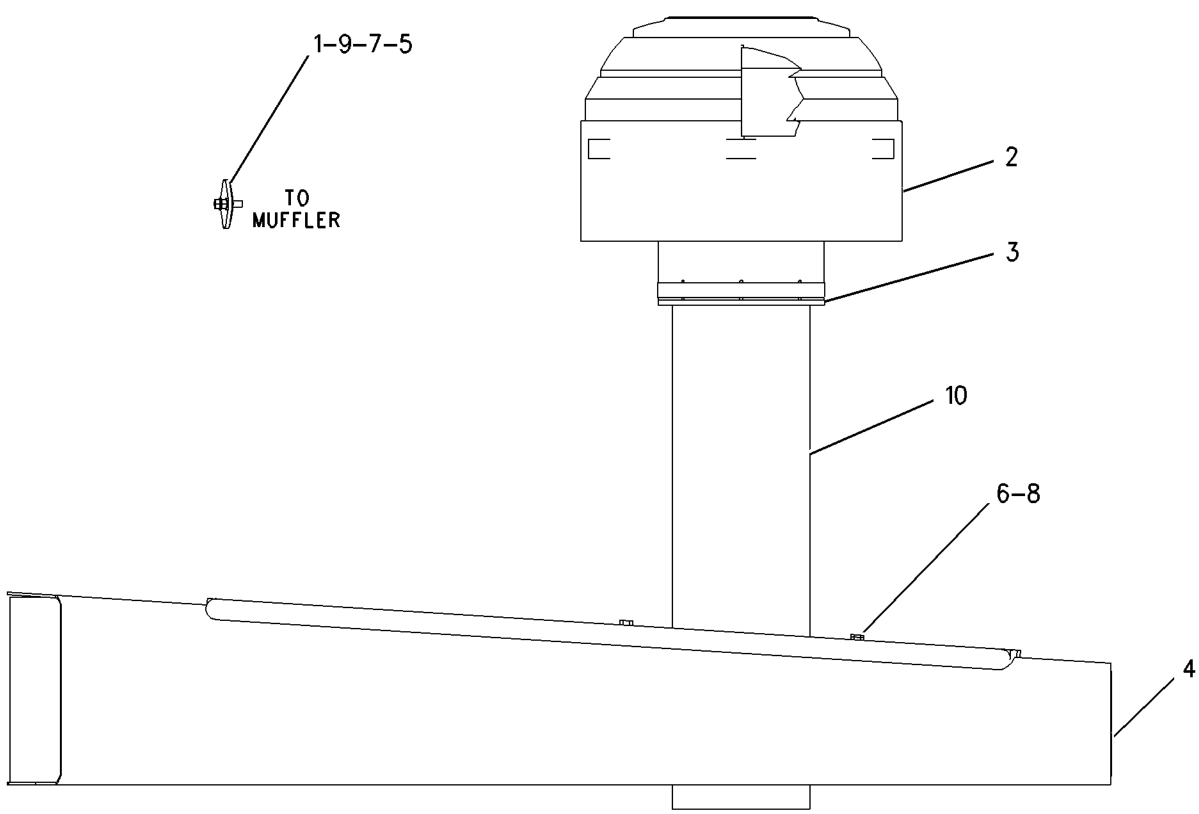
**S/N: AKA1-UP**

**NO SCREEN**

**SMCS-1055** **i01488979**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7W-2735** | 1 | GASKET | |
| | 2 | 1 | **203-6550** | 1 | PRECLEANER AS | |
| | 3 | 1 | **107-7495** | 1 | DAMPER | |
| | 4 | 1 | **160-7443** | 1 | HOOD AS | |
| | | 1 | **1F-0748** | 7 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 18 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **3J-5169** | 1 | NUT (5/8-11 THD) | |
| | | 1 | **126-1074** | 2 | HANDHOLD | |
| | 5 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 6 | 1 | **9B-7237** | 4 | BOLT (3/8-16X1.25 IN) | |
| | 7 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 8 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 9 | 1 | **6H-5852** | 1 | COVER | |
| Z | 10 | 1 | | 1 | PIPE AS | |

Z-NOT SERVICED SEPARATELY




RIGHT SIDE VIEW

GRAPHIC #1

g00774904

# AIR INLET AND EXHAUST SYSTEM

## *160-7442* PRECLEANER AR

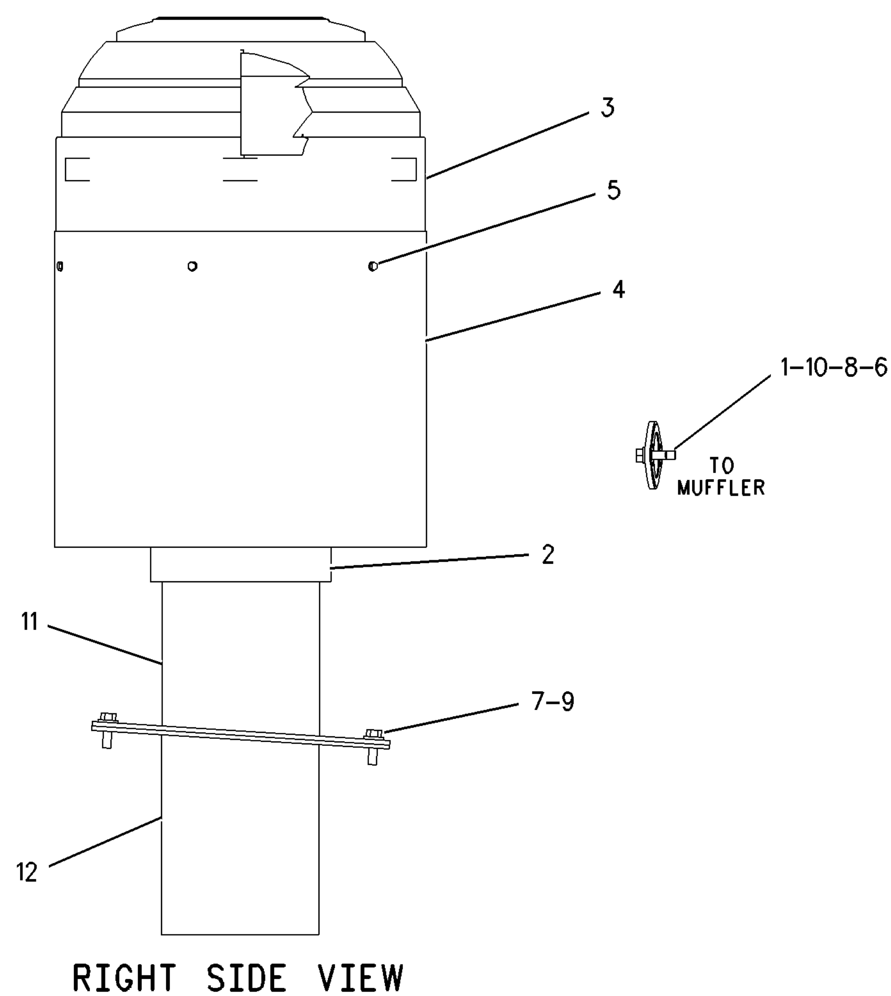
**S/N: AKA1-UP**

**PART OF 143-7740 WOODCHIP AR**

**SMCS-1055** **i01488554**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Q | 1 | 1 | **7W-2735** | 1 | GASKET | |
| JQ | 2 | 1 | **107-7495** | 2 | DAMPER | |
| Y | 3 | 1 | **130-3281** | 1 | PRECLEANER GP | 159 |
| JZ | 4 | 1 | | 1 | PRESCREEN AS | |
| J | 5 | 1 | **145-6669** | 6 | SCREW-SELF-TAPPING | |
| Q | 6 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| Q | 7 | 1 | **9B-7237** | 4 | BOLT (3/8-16X1.25 IN) | |
| Q | 8 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| Q | 9 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| Q | 10 | 1 | **6H-5852** | 1 | COVER | |
| Z | 11 | 1 | | 1 | PIPE AS | |
| Z | 12 | 1 | | 1 | PIPE AS | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **153-1278** | 1 | KIT-SCREEN (TURBINE PRECLEANER) | |
| Q | | | **163-5748** | 1 | KIT-INSTALLATION (TURBINE PRECLEANER) | |

J-KIT MARKED J SERVICES PARTS MARKED J
Q-KIT MARKED Q SERVICES PARTS MARKED Q
Y-SEPARATE ILLUSTRATION
Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00740839

# 130-3281 PRECLEANER GP

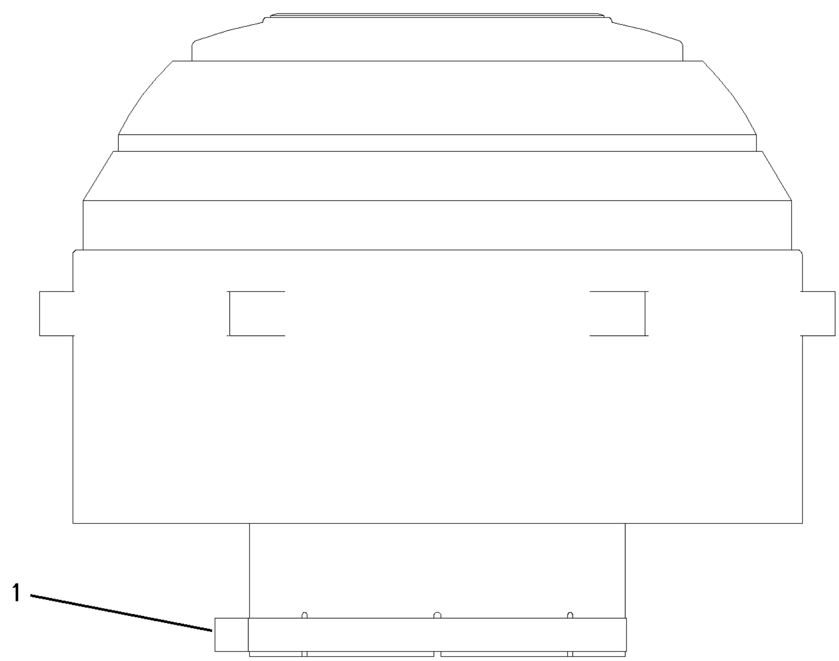
**S/N: AKA1-UP**

**AIR-TURBINE**

**PART OF 160-7442 PRECLEANER AR**

**SMCS-1055** **i01472843**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **174-4895** | 2 | CLAMP | |




GRAPHIC #1 g00658715

# *160-4366* SHIELD AR-THERMO

**S/N: AKA1-UP**

**SMCS-1067, 1073** **i01488865**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *202-1345* | 1 | MUFFLER GP | 154 |
| Y | *157-2473* | 1 | SHIELD GP-MANIFOLD | 162 |
| | | | | |
| | **200-1912** | 1 | SHIELD-HEAT | |

Y-SEPARATE ILLUSTRATION

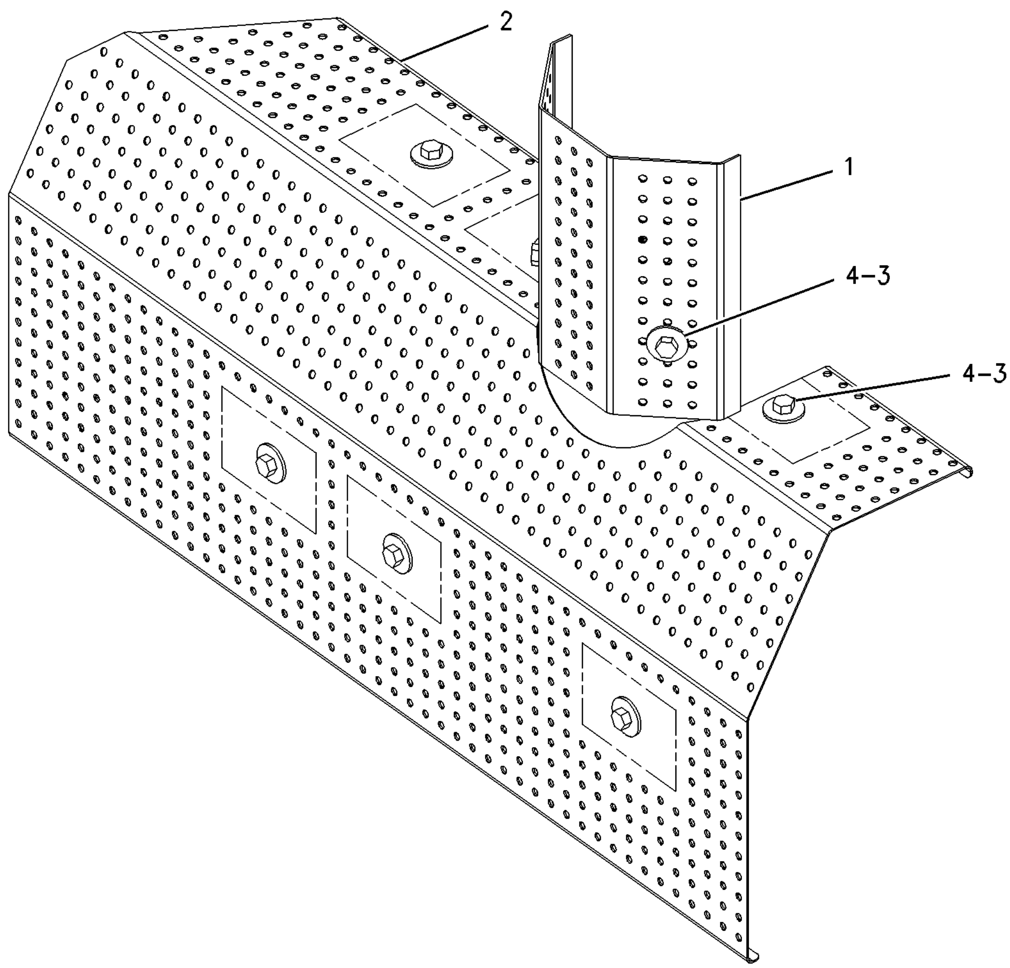
## *186-3720* SHIELD GP-EXHAUST

**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1067** **i01392079**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7C-1187** | 1 | SHIELD | |
| | 2 | 1 | **186-1457** | 1 | SHIELD AS | |
| | 3 | 1 | **0T-0102** | 8 | BOLT (3/8-16X0.625 IN) | |
| | 4 | 1 | **6N-8863** | 8 | WASHER (2.5MM THK) | |




GRAPHIC #1

g00708876

## *157-2473* SHIELD GP-MANIFOLD

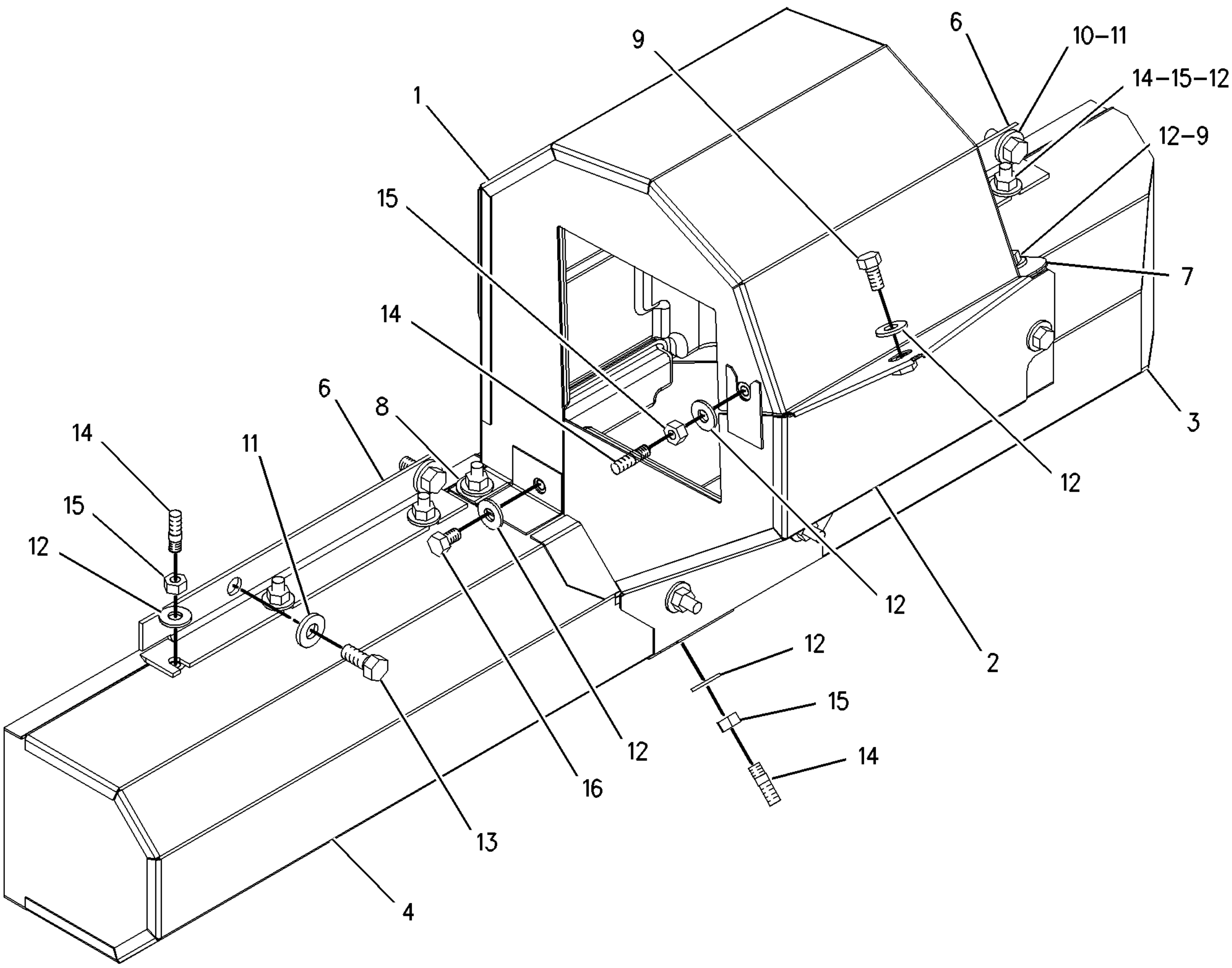
**S/N: AKA1-UP**

**PART OF 160-4366 SHIELD AR-THERMO**

**SMCS-1067** **i01393867**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **157-2474** | 1 | SHIELD AS-TURBOCHARGER | |
| | | 1 | **6V-5044** | 3 | NUT-WELD (5/16-18 THD) | |
| | 2 | 1 | **157-2475** | 1 | SHIELD AS-TURBOCHARGER | |
| | | 1 | **6V-5044** | 1 | NUT-WELD (5/16-18 THD) | |
| | 3 | 1 | **157-2476** | 1 | SHIELD AS-MANIFOLD | |
| | | 1 | **6V-5044** | 4 | NUT-WELD (5/16-18 THD) | |
| | 4 | 1 | **157-2477** | 1 | SHIELD AS-MANIFOLD | |
| | | 1 | **6V-5044** | 7 | NUT-WELD (5/16-18 THD) | |
| | 6 | 1 | **157-2479** | 2 | PLATE | |
| | 7 | 1 | **157-2480** | 1 | SHIELD AS-TURBOCHARGER | |
| | | 1 | **6V-5044** | 3 | NUT-WELD (5/16-18 THD) | |
| | 8 | 1 | **157-2481** | 1 | PLATE AS | |
| | 9 | 1 | **5K-0906** | 4 | BOLT (5/16-18X0.63 IN) | |
| | 10 | 1 | **5M-3062** | 2 | BOLT (3/8-16X.75 IN) | |
| | 11 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 12 | 1 | **5P-4116** | 18 | WASHER-HARD (8.8X20.5X2MM THK) | |
| | 13 | 1 | **5S-7379** | 2 | BOLT (3/8-16X.875 IN) | |
| | 14 | 1 | **6V-2712** | 13 | STUD | |
| | 15 | 1 | **6V-8189** | 13 | NUT (5/16-18 THD) | |
| | 16 | 1 | **8T-5391** | 1 | BOLT (5/16-18X.5 IN) | |

*157-2473* **SHIELD GP-MANIFOLD** ***(contd.)*** **i01393867**




GRAPHIC #1 g00749640

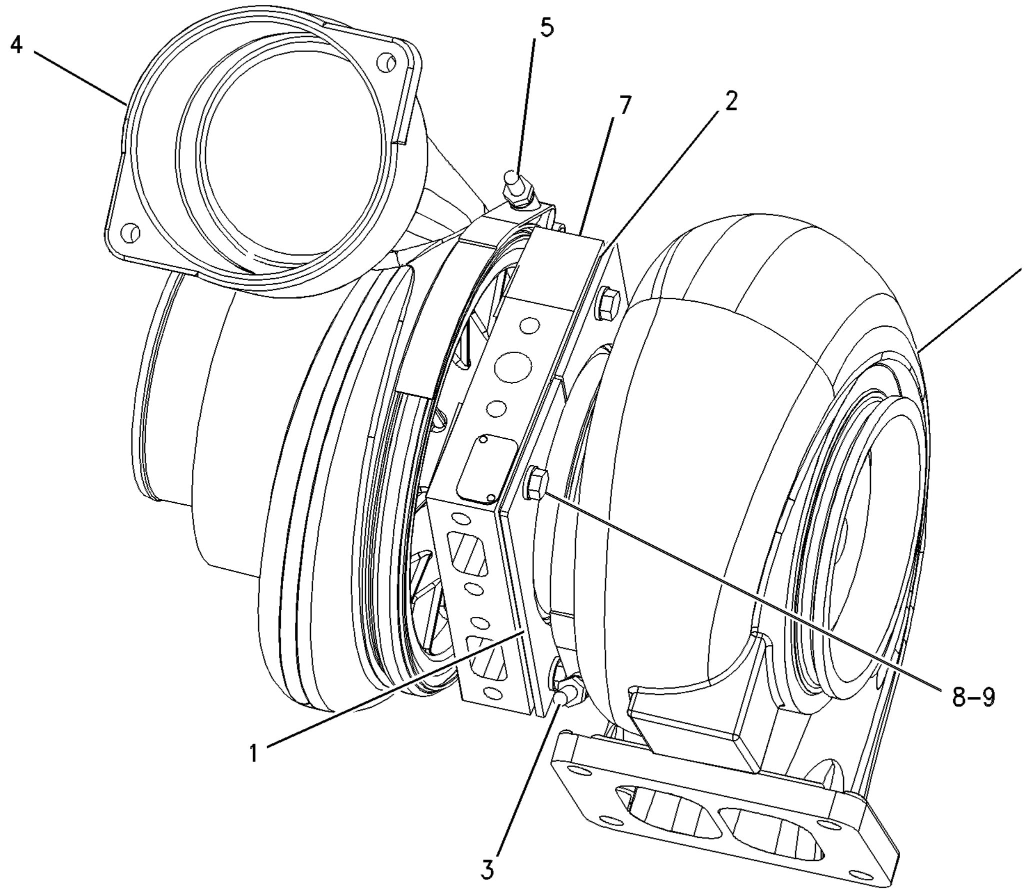
## *178-9572* TURBOCHARGER GP

**S/N: BET1-UP**

**PART OF 183-6925 TURBOCHARGER GP**

**SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077** **i01371212**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7N-7672** | 2 | PLATE | |
| | 2 | 1 | **7N-7673** | 2 | PLATE | |
| | 3 | 1 | **9N-2038** | 1 | CLAMP AS (TURBINE) | |
| | 4 | 1 | **178-9573** | 1 | COVER-COMPRESSOR | |
| | 5 | 1 | **137-4550** | 1 | CLAMP AS-COMPRESSOR | |
| | 6 | 1 | **148-9104** | 1 | HOUSING-TURBINE | |
| | 7 | 1 | **167-9270** | 1 | CARTRIDGE GP-TURBOCHARGER | |
| | 8 | 1 | **2A-0762** | 4 | BOLT (1/4-20X.625IN) | |
| | 9 | 1 | **5P-0537** | 4 | WASHER-HARD (7.2X14.5X2MM THK) | |




GRAPHIC #1

g00661224

# AIR INLET AND EXHAUST SYSTEM

## *183-6925* TURBOCHARGER GP

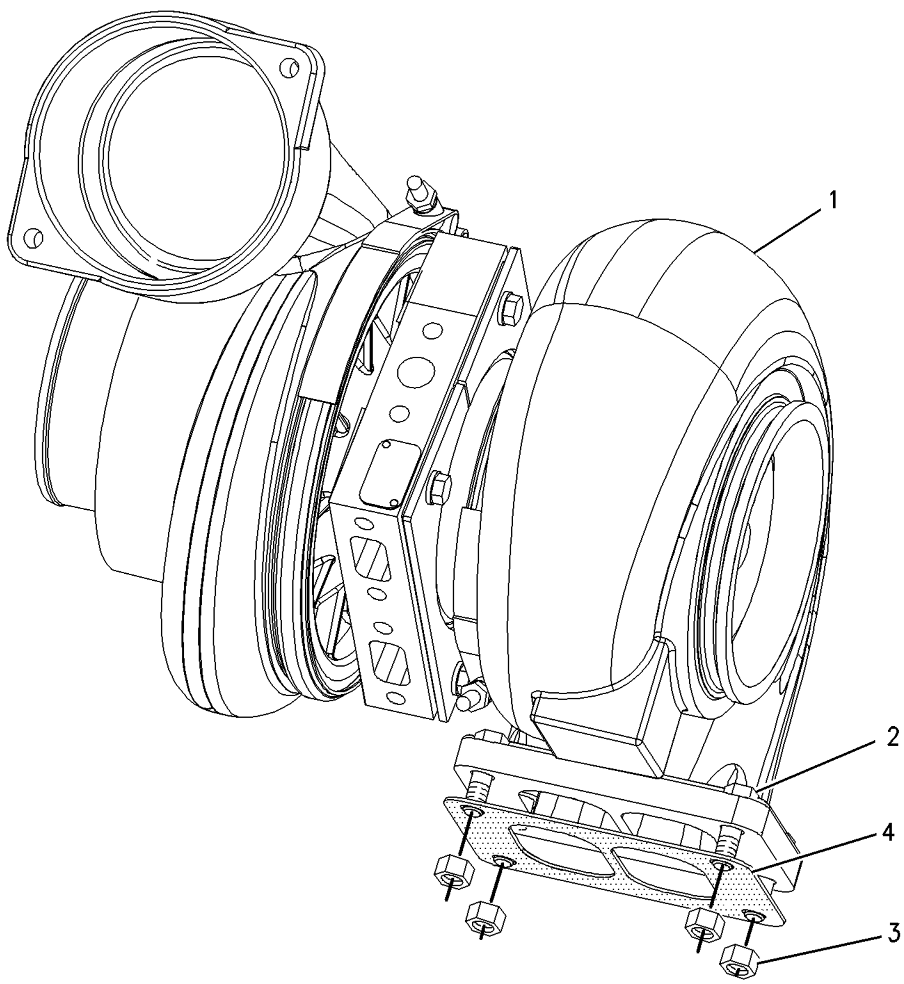
**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1052, 1053, 1056, 1060, 1065, 1066, 1077** **i01446148**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **178-9572** | 1 | TURBOCHARGER GP | 164 |
| | 2 | 1 | **2N-2765** | 4 | BOLT-HIGH TEMPERATURE (3/8-16X1.75IN) | |
| | 3 | 1 | **2N-2766** | 4 | LOCKNUT | |
| | 4 | 1 | **1S-4295** | 1 | GASKET-TURBOCHARGER | |
| AB | | 1 | **4C-5598** | | COMPOUND-ANTI-SEIZE | |

A-NOT PART OF THIS GROUP
B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00674966

# *2G-9000* ADAPTER GP-FAST FILL FUEL

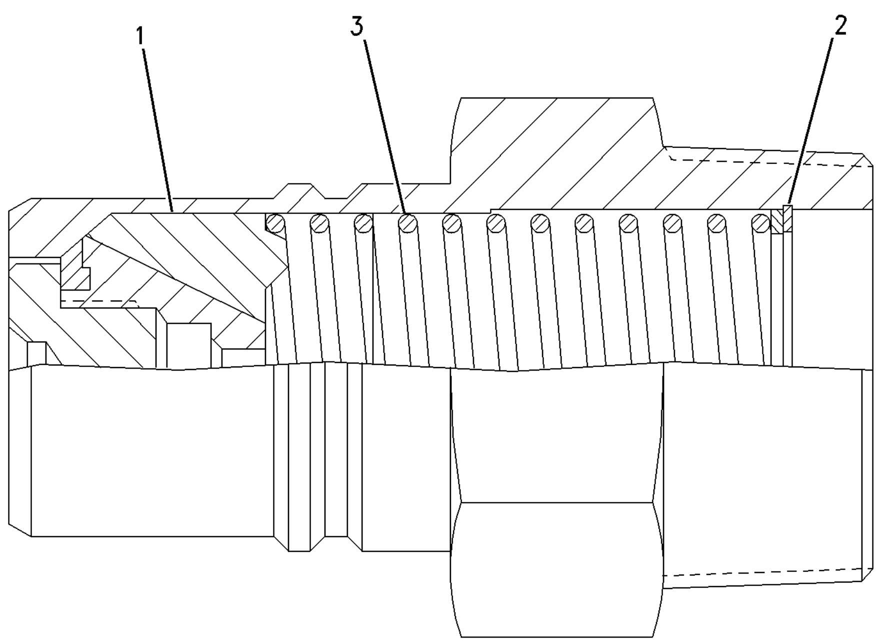
S/N: AKA1-UP

PART OF 187-5276 ADAPTER GP-FAST FILL FUEL

SMCS-1710 i01489087

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Z | 1 | 1 | | 1 | PLUNGER | |
| Z | 2 | 1 | | 1 | RING-RETAINING | |
| Z | 3 | 1 | | 1 | SPRING | |

Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00735689

# MEMORANDA

# *187-5276* ADAPTER GP-FAST FILL FUEL

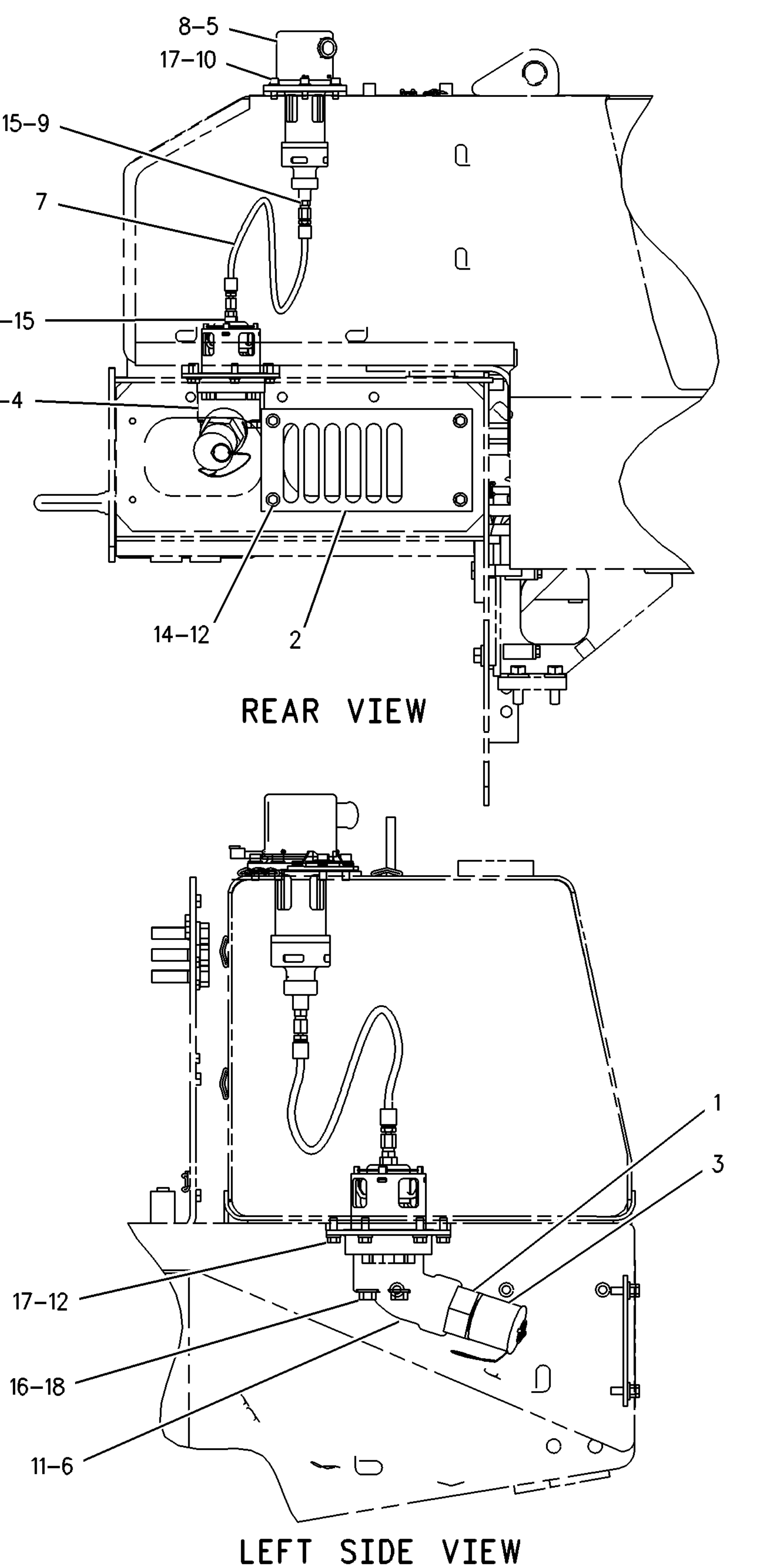
**S/N: AKA1-UP**

**SMCS-1710** **i01489078**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **2G-9000** | 1 | ADAPTER GP-FAST FILL FUEL | 166 |
| | 2 | 1 | **6Y-8556** | 1 | DOOR | |
| | 3 | 1 | **9D-0630** | 1 | CAP-DUST | |
| | 4 | 1 | **163-5455** | 1 | VALVE AS | |
| | 5 | 1 | **188-5095** | 1 | VENT AS | |
| | 6 | 1 | **193-1598** | 1 | ELBOW | |
| I | 7 | 1 | **193-5768** | 1 | HOSE AS | |
| | 8 | 1 | **1H-8128** | 1 | SEAL-O-RING | |
| | 9 | 1 | **1J-9671** | 2 | SEAL-O-RING | |
| | 10 | 1 | **2D-4534** | 6 | BOLT-SOCKET HEAD (3/8-16X1 IN) | |
| | 11 | 1 | **4J-0527** | 1 | SEAL-O-RING | |
| | 12 | 1 | **4L-6454** | 10 | BOLT (3/8-16X1 IN) | |
| | 13 | 1 | **5H-6734** | 1 | SEAL-O-RING | |
| | 14 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 15 | 1 | **5P-2618** | 2 | CONNECTOR | |
| | 16 | 1 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 17 | 1 | **8T-4896** | 12 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 18 | 1 | **8T-9389** | 4 | BOLT (1/2-13X2.75 IN) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

*187-5276* **ADAPTER GP-FAST FILL FUEL** ***(contd.)*** **i01489078**




GRAPHIC #1

g00758396

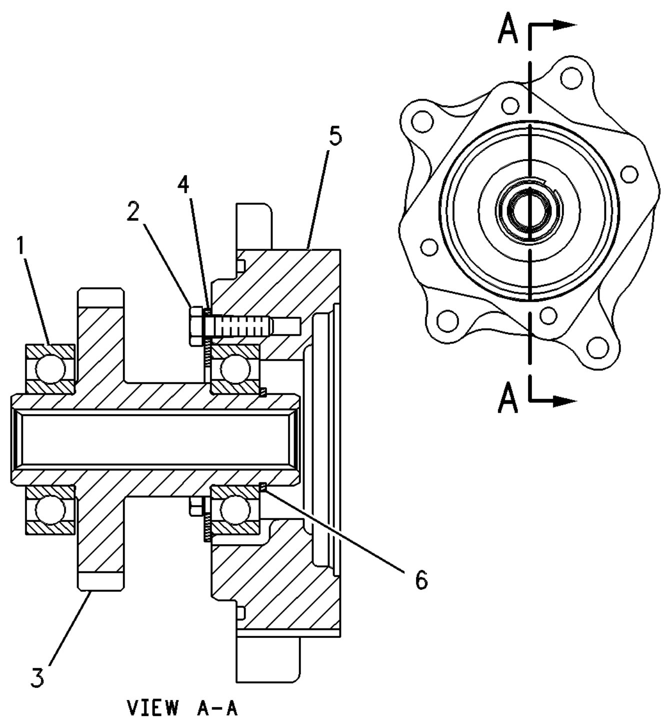
# 133-9907 ADAPTER GP-PUMP DRIVE

**S/N: BET1-UP**

**PART OF 6I-3638 DRIVE GP-PUMP**

**SMCS-1251** **i01447320**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1B-3867** | 2 | BALL BEARING | |
| | 2 | 1 | **4F-7957** | 3 | BOLT (1/4-20X0.875 IN) | |
| | 3 | 1 | **6I-4575** | 1 | GEAR (34 TEETH) | |
| | 4 | 1 | **9X-2038** | 3 | WASHER (7X19X2MM THK) | |
| | 5 | 1 | **133-9906** | 1 | ADAPTER | |
| | 6 | 1 | **1H-8647** | 1 | RING-SNAP | |




GRAPHIC #1 g00263602

# *139-6941* BASE GP-FUEL FILTER

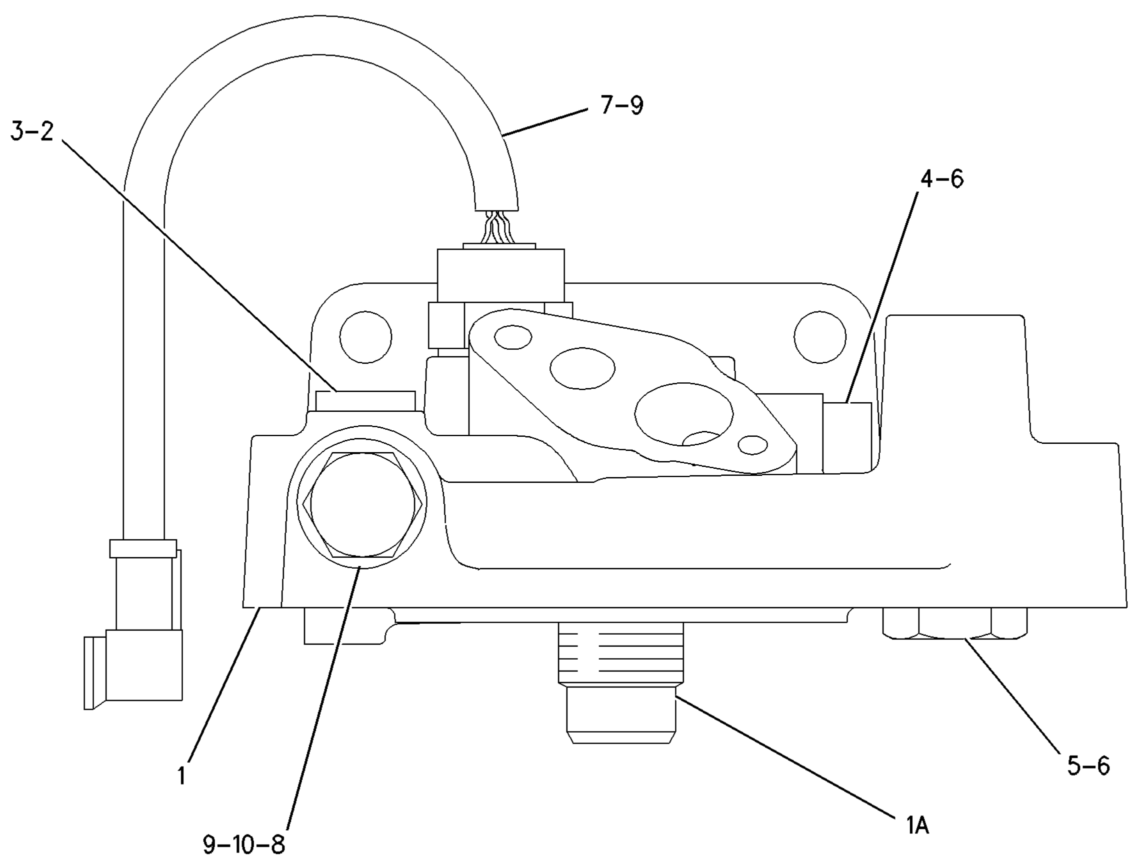
**S/N: BET1-UP**

**PART OF 161-3202 FILTER GP-FUEL**

**SMCS-1261, 1262** **i01444859**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **136-5017** | 1 | BASE AS-FUEL FILTER | |
| | 1A | 1 | **9S-4167** | 1 | STUD-HOLLOW | |
| | 2 | 1 | **9S-8004** | 1 | PLUG | |
| | 3 | 1 | **6V-5049** | 1 | SEAL-O-RING (11.89MM ID) | |
| Y | 4 | 1 | **139-6873** | 1 | VALVE GP-FUEL BYPASS | 187 |
| Y | 5 | 1 | **156-5783** | 1 | VALVE GP-CHECK | 186 |
| | 6 | 1 | **6V-4589** | 2 | SEAL-O-RING (19.18MM ID) | |
| | 7 | 1 | **102-2240** | 1 | SENSOR GP-TEMPERATURE (FUEL) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| BE | | 1 | **9X-1813** | | SLEEVE | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 8 | 1 | **143-2933** | 1 | FITTING | |
| | 9 | 1 | **8L-2786** | 2 | SEAL-O-RING (16.36MM ID) | |
| | 10 | 1 | **8L-2779** | 1 | SEAL-O-RING (9.25MM ID) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00678484

# *183-4346* BASE GP-FUEL FILTER

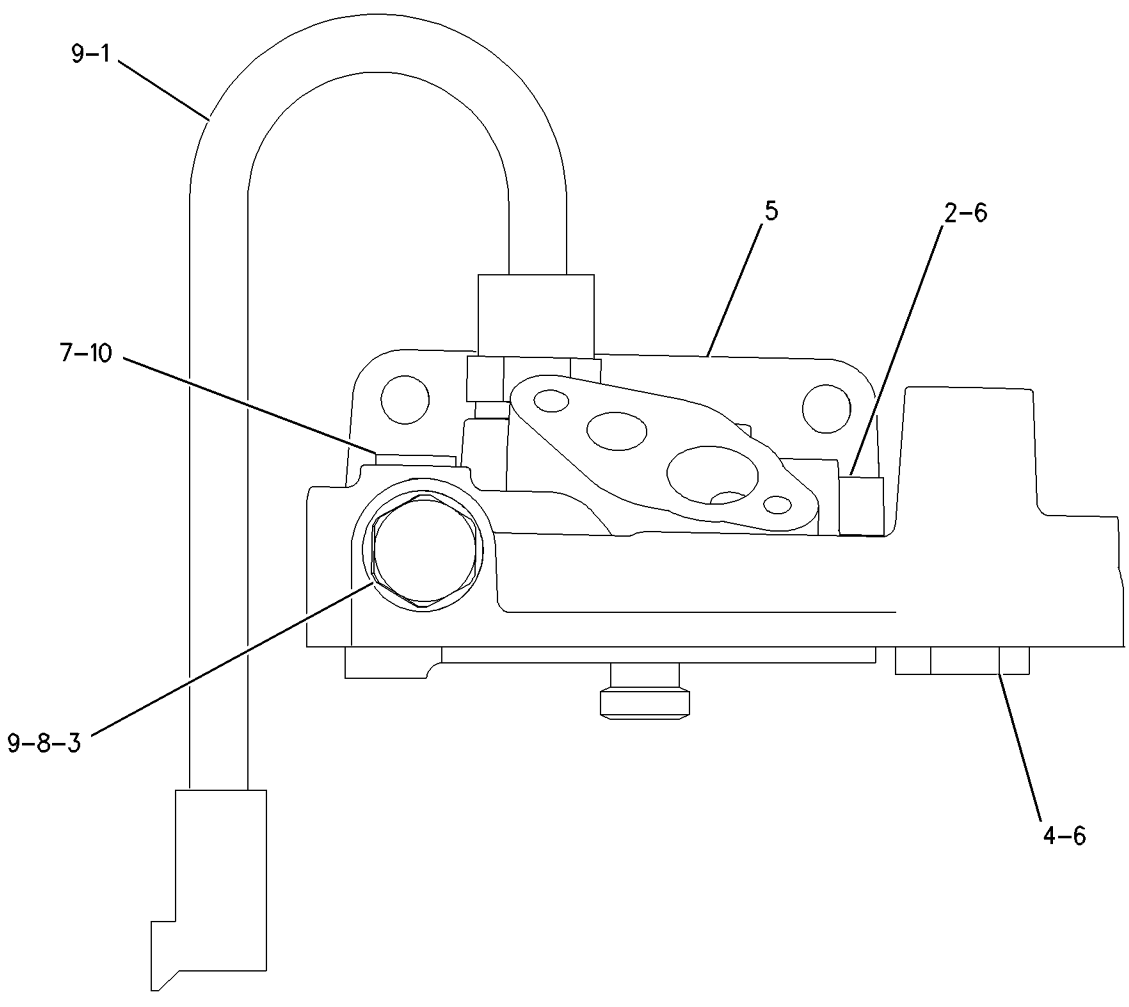
**S/N: AKA1-UP**

**PART OF 160-7827 HEATER GP-FUEL**

**SMCS-1261, 1262** **i01491387**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-2240** | 1 | SENSOR GP-TEMPERATURE | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| E | | 1 | **9X-1813** | | SLEEVE | |
| Y | 2 | 1 | **139-6873** | 1 | VALVE GP-FUEL BYPASS | 187 |
| | 3 | 1 | **143-2933** | 1 | FITTING | |
| Y | 4 | 1 | **156-5783** | 1 | VALVE GP-CHECK | 186 |
| | 5 | 1 | **162-5497** | 1 | BASE AS-FUEL HEATER | |
| | | 1 | **8N-2101** | 1 | STUD-HOLLOW | |
| | 6 | 1 | **6V-4589** | 2 | SEAL-O-RING | |
| | 7 | 1 | **6V-5049** | 1 | SEAL-O-RING | |
| | 8 | 1 | **8L-2779** | 1 | SEAL-O-RING | |
| | 9 | 1 | **8L-2786** | 2 | SEAL-O-RING | |
| | 10 | 1 | **9S-8004** | 1 | PLUG | |

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00676470

# *6I-3638* DRIVE GP-PUMP

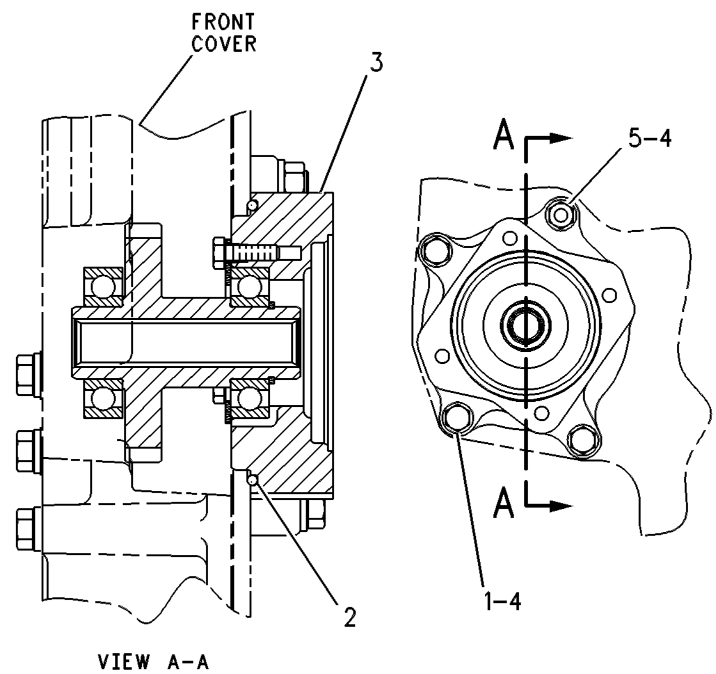
**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1714** **i01447316**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0S-1590** | 3 | BOLT (3/8-16X2 IN) | |
| | 2 | 1 | **8T-9527** | 1 | SEAL-O-RING (110.72MM ID) | |
| Y | 3 | 1 | *133-9907* | 1 | ADAPTER GP-PUMP DRIVE | 170 |
| | 4 | 1 | **5M-2894** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 5 | 1 | **9S-8752** | 1 | NUT-FULL (3/8-16 THD) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00263601

# *161-3202* FILTER GP-FUEL

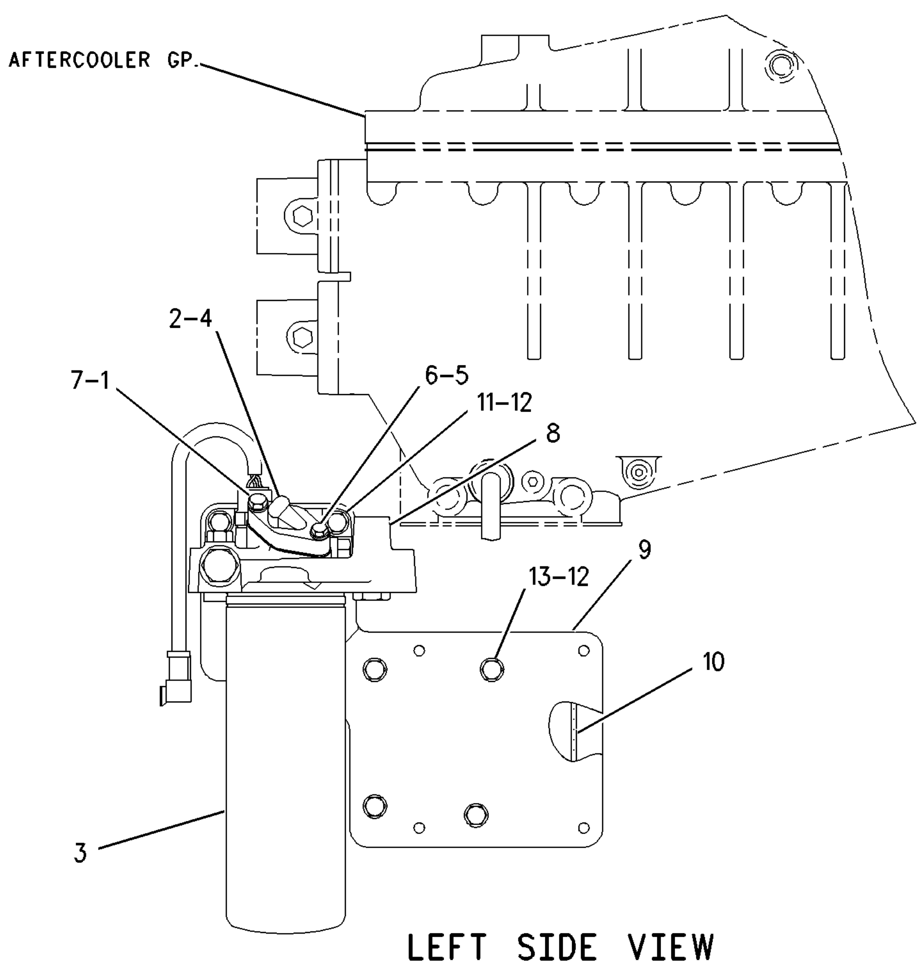
S/N: BET1-UP

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1261 i01444856

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1B-2790** | 1 | BOLT (5/16-18X1.375 IN) | |
| | 2 | 1 | **1P-0436** | 1 | GASKET (FUEL PRIMING PUMP) | |
| | 3 | 1 | **1R-0749** | 1 | FILTER AS-FUEL | |
| | 4 | 1 | **6N-4414** | 1 | COVER-FILTER BASE | |
| | 5 | 1 | **5P-0537** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 6 | 1 | **7B-2742** | 1 | BOLT (1/4-20X1.25 IN) | |
| | 7 | 1 | **9M-1974** | 1 | WASHER-HARD (8.8X16X2MM THK) | |
| Y | 8 | 1 | *139-6941* | 1 | BASE GP-FUEL FILTER | 171 |
| | 9 | 1 | **161-2853** | 1 | COVER-CYLINDER BLOCK | |
| | 10 | 1 | **109-7425** | 1 | SEAL-COVER | |
| | 11 | 1 | **0S-1588** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 12 | 1 | **5M-2894** | 6 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 13 | 1 | **0S-1591** | 4 | BOLT (3/8-16X1.5 IN) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00664829

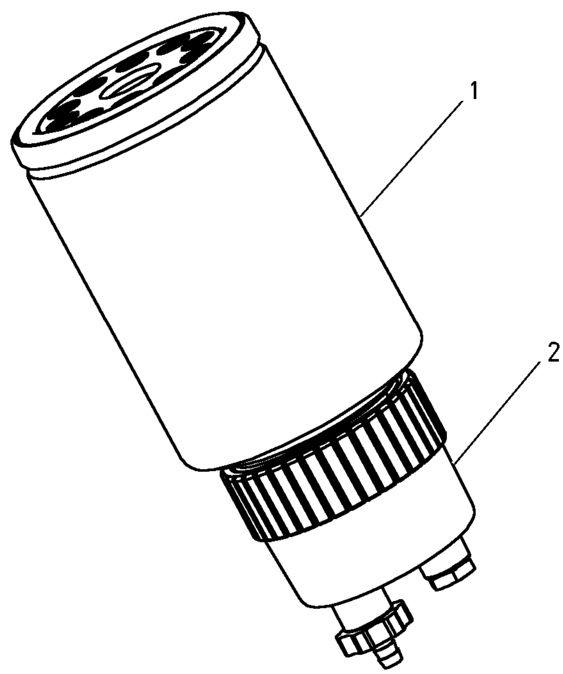
# *176-5618* FILTER GP-WATER SEP & FUEL

**S/N: BET1-UP**

**PART OF 185-9978 FILTER GP-WATER SEP & FUEL**

**SMCS-1261, 1263** **i01369570**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1R-0769** | 1 | FILTER AS (WATER SEPARATOR & FUEL) | |
| | 2 | 1 | **173-7126** | 1 | BOWL AS | |
| | | 1 | **5F-9144** | 1 | SEAL-O-RING (7.65MM ID) | |
| | | 1 | **6V-5049** | 1 | SEAL-O-RING (11.89MM ID) | |




GRAPHIC #1

g00691582

# FUEL SYSTEM

## *185-9978* FILTER GP-WATER SEP & FUEL

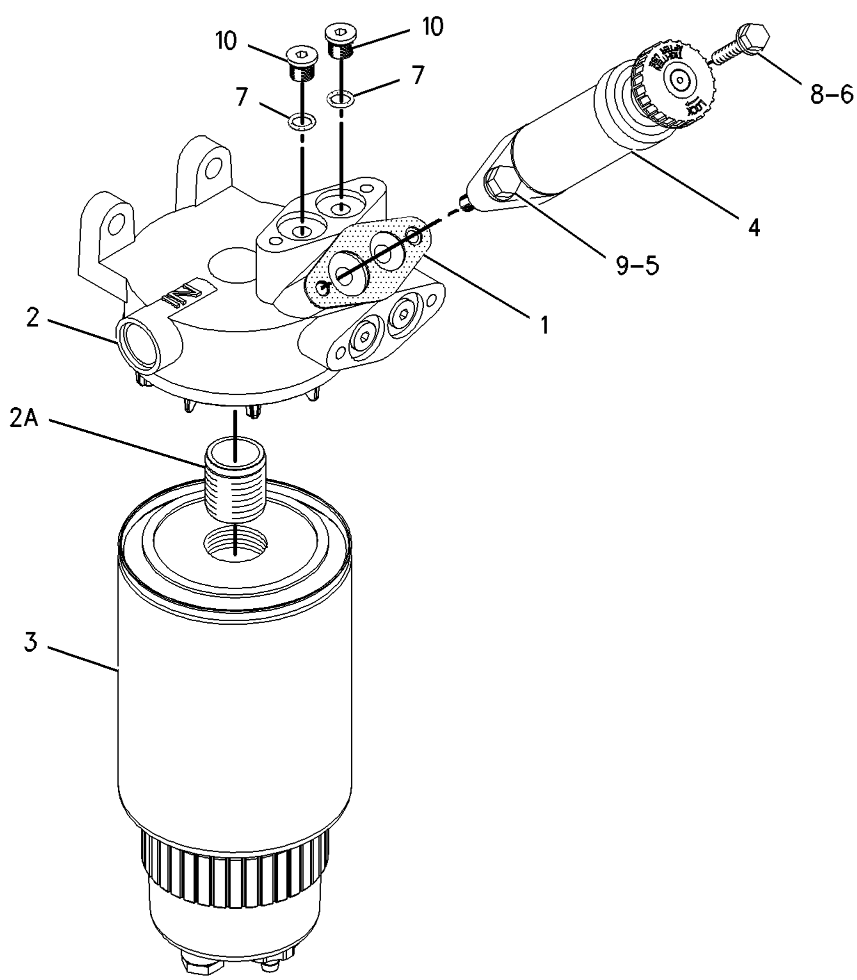
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1261, 1263** **i01444616**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1P-0436** | 1 | GASKET (FUEL PRIMING PUMP) | |
| | 2 | 1 | **127-0291** | 1 | BASE AS | |
| | 2A | 1 | **9S-4167** | 1 | STUD-HOLLOW | |
| Y | 3 | 1 | *176-5618* | 1 | FILTER GP-WATER SEP & FUEL | 175 |
| | 4 | 1 | **137-5541** | 1 | PUMP AS-FUEL PRIMING | |
| | 5 | 1 | **1B-7182** | 1 | BOLT (5/16-18X1.25 IN) | |
| | 6 | 1 | **5P-0537** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 7 | 1 | **6V-5048** | 4 | SEAL-O-RING (8.92MM ID) | |
| | 8 | 1 | **7B-2742** | 1 | BOLT (1/4-20X1.25 IN) | |
| | 9 | 1 | **9M-1974** | 1 | WASHER-HARD (8.8X16X2MM THK) | |
| | 10 | 1 | **9S-8002** | 4 | PLUG-O-RING | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00751704

# *128-8510* INJECTOR GP-FUEL

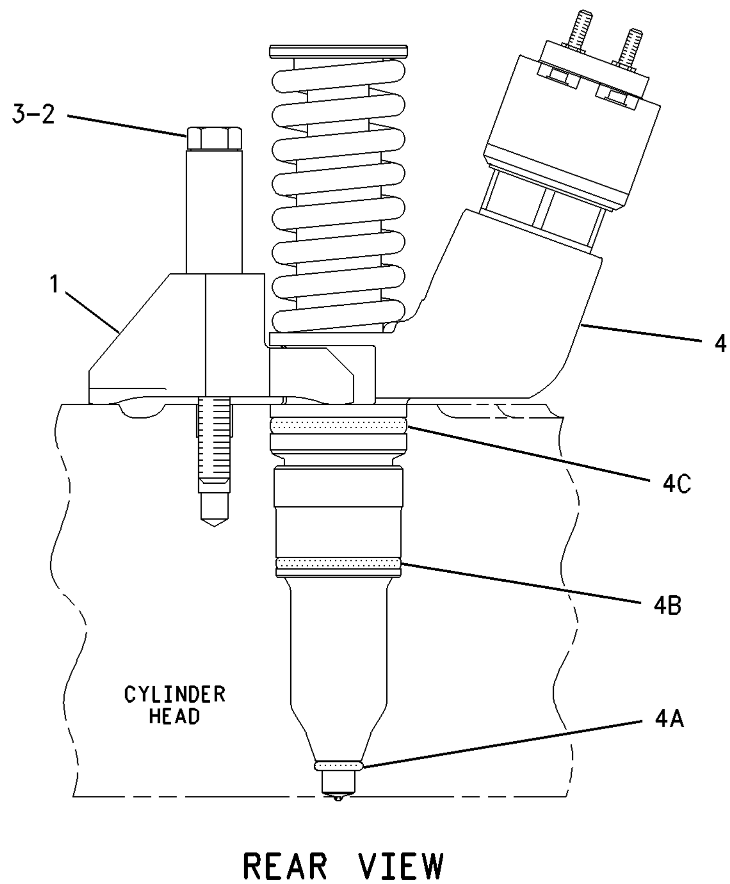
**S/N: BET1-UP**

**PART OF 160-0566 ENGINE AR-CORE**

**SMCS-1254, 1290, 1713** **i01446851**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6I-0213** | 1 | CLAMP | |
| | 2 | 1 | **8S-9191** | 1 | BOLT (3/8-16X4 IN) | |
| | 3 | 1 | **100-5072** | 1 | SPACER | |
| R | 4 | 1 | **191-3005** | 1 | INJECTOR GP-FUEL | |
| | 4A | 1 | **9X-7317** | 1 | SEAL-O-RING (9.6MM ID) | |
| | 4B | 1 | **9X-7418** | 1 | SEAL-O-RING (32.99MM ID) | |
| | 4C | 1 | **9X-7419** | 1 | SEAL-O-RING (36.09MM ID) | |

R-REMFG PART MAY BE AVAILABLE




GRAPHIC #1 g00665501

# FUEL SYSTEM

## *159-6018* LINES GP-FUEL

**S/N: AKA1-UP**

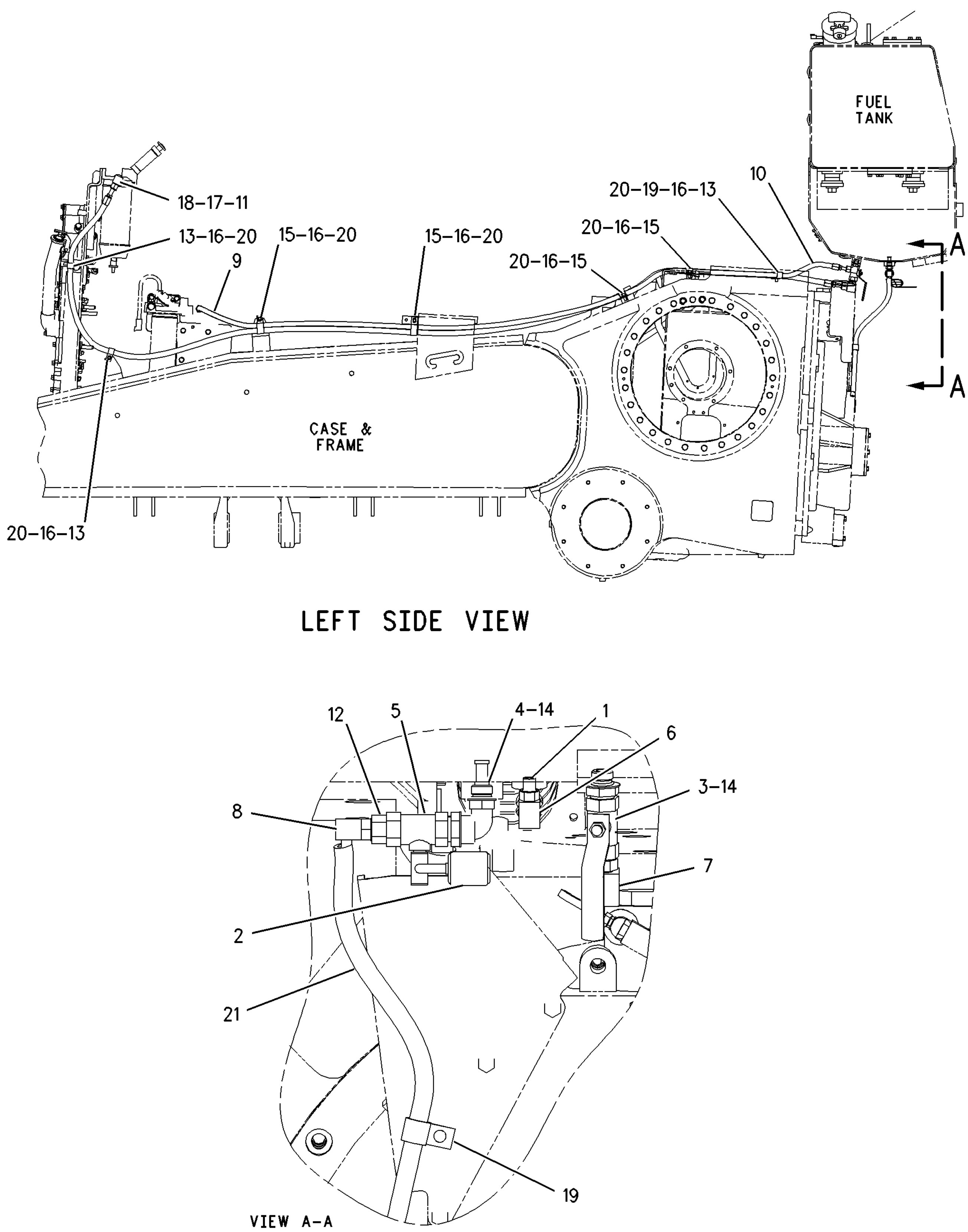
**PART OF 157-0819 CHASSIS AR**

**SMCS-1274** **i01434714**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5G-4109** | 1 | SCREEN-SUMP (FUEL TANK) | |
| | 2 | 1 | **5P-8502** | 1 | PADLOCK GP | |
| A | | 1 | **5P-8500** | 1 | KEY | |
| A | | 1 | **8Y-6364** | 1 | SLEEVE | |
| | 3 | 1 | **8T-0081** | 1 | VALVE-BALL (SUPPLY) | |
| | 4 | 1 | **8T-0119** | 1 | ELBOW | |
| | 5 | 1 | **8T-6639** | 1 | VALVE-BALL (DRAIN) | |
| | 6 | 1 | *148-8361* | 1 | ELBOW GP | |
| | | 1 | **6V-9200** | 1 | ELBOW (90 DEGREE) | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | 7 | 1 | *148-8364* | 1 | ELBOW GP | |
| | | 1 | **6V-8625** | 1 | ELBOW | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 8 | 1 | *150-3024* | 1 | ELBOW AS | |
| | | 1 | **5P-4924** | 1 | ELBOW | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| I | 9 | 1 | **159-6120** | 1 | HOSE AS | |
| | 10 | 1 | **199-4025** | 1 | HOSE AS | |
| | 11 | 1 | **033-6028** | 1 | SEAL-O-RING | |
| | 12 | 1 | *148-8313* | 1 | ADAPTER GP | |
| | | 1 | **5P-6944** | 1 | ADAPTER-STRAIGHT THREAD | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 13 | 1 | **1S-0994** | 3 | CLIP | |
| | 14 | 1 | **3K-0360** | 3 | SEAL-O-RING | |
| | 15 | 1 | **5K-5338** | 4 | CLIP | |
| | 16 | 1 | **5M-3062** | 7 | BOLT (3/8-16X0.75 IN) | |
| | 17 | 1 | **6V-5758** | 1 | SEAL-O-RING | |
| | 18 | 1 | **6V-8625** | 1 | ELBOW | |
| | 19 | 1 | **8M-2773** | 2 | CLIP | |
| | 20 | 1 | **8T-4896** | 7 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| E | 21 | 1 | **5P-1442** | | HOSE (50CM) | |

A-NOT PART OF THIS GROUP
E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE

*159-6018* **LINES GP-FUEL** ***(contd.)*** **i01434714**




GRAPHIC #1 g00759030

# *161-1507* LINES GP-FUEL

**S/N: BET1-UP**

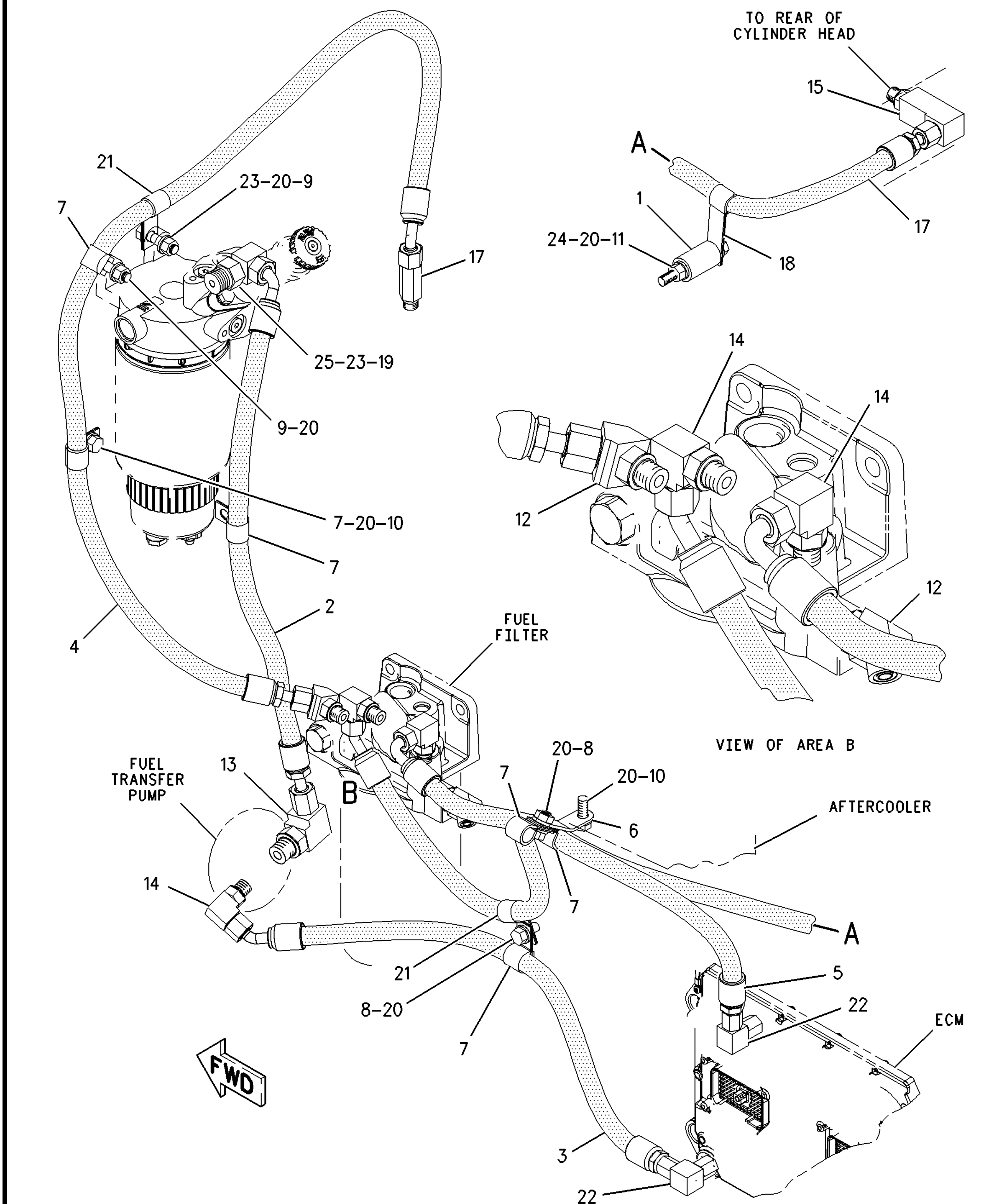
**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1274** **i01488577**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8P-9679** | 1 | SPACER (10.5X25X40MM THK) | |
| I | 2 | 1 | **163-7217** | 1 | HOSE AS | |
| | 3 | 1 | **163-7219** | 1 | HOSE AS | |
| | 4 | 1 | **163-7220** | 1 | HOSE AS | |
| | 5 | 1 | **198-1335** | 1 | HOSE AS | |
| | 6 | 1 | **199-6321** | 1 | BRACKET AS | |
| | 7 | 1 | **067-2551** | 6 | CLIP (SLOT) | |
| | 8 | 1 | **0S-0509** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 9 | 1 | **0S-1591** | 2 | BOLT (3/8-16X1.5 IN) | |
| | 10 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 11 | 1 | **0S-1619** | 1 | BOLT (3/8-16X3 IN) | |
| | 12 | 1 | *148-8353* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9001** | 1 | ELBOW | |
| | 13 | 1 | *148-8374* | 1 | ELBOW GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8723** | 1 | ELBOW | |
| | 14 | 1 | *148-8378* | 3 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8724** | 1 | ELBOW | |
| | 15 | 1 | *150-3036* | 1 | ELBOW GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **8T-1905** | 1 | ELBOW | |
| | 16 | 1 | *164-9869* | 1 | CONNECTOR AS | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **9X-2297** | 1 | CONNECTOR | |
| I | 17 | 1 | **189-5762** | 1 | HOSE AS | |
| | 18 | 1 | **1P-7009** | 1 | CLIP | |
| | 19 | 1 | **2M-9780** | 1 | SEAL-O-RING | |
| | 20 | 1 | **5M-2894** | 10 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 21 | 1 | **6K-8178** | 2 | CLIP | |
| | 22 | 1 | **6K-9194** | 2 | ELBOW | |
| | 23 | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | 24 | 1 | **9S-8752** | 3 | NUT-FULL (3/8-16 THD) | |
| | 25 | 1 | **9X-2134** | 1 | ELBOW | |

I-SEE HOSE FABRICATION GUIDE

*161-1507* **LINES GP-FUEL** ***(contd.)*** **i01488577**




GRAPHIC #1 g00773294

# *6I-1940* MECHANISM GP-FUEL PUMP & VALVE

**S/N: BET1-UP**

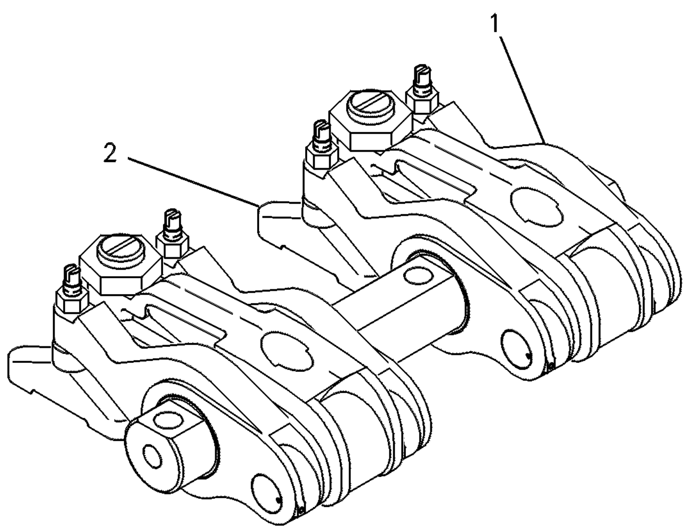
**PART OF 160-0566 ENGINE AR-CORE**

**FOR USE WITH A FASTENER GP FOR NON-JAKE BRAKE APPLICATIONS**

**SMCS-1251, 1254** **i01446911**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *163-7381* | 3 | ROCKER ARM GP | 68 |
| | 2 | 1 | **6I-1458** | 12 | BRIDGE-VALVE | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00238186

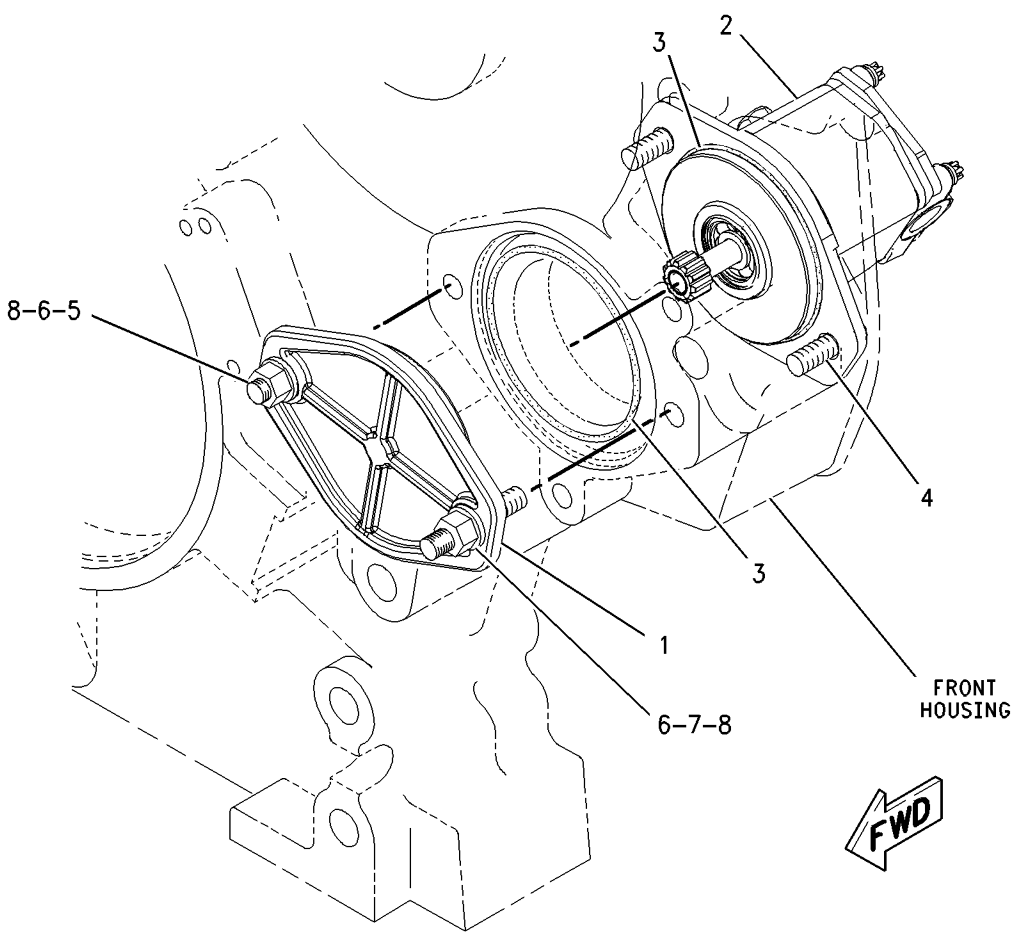
# *162-1622* PUMP GP-FUEL TRANSFER

**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1255, 1256** **i01487953**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **133-9116** | 1 | COVER | |
| | 2 | 1 | **190-3443** | 1 | PUMP GP-FUEL TRANSFER | |
| | 3 | 1 | **107-5769** | 2 | SEAL-O-RING | |
| | 4 | 1 | **1T-0765** | 2 | BOLT (3/8-16X1 IN) | |
| | 5 | 1 | **3K-3256** | 1 | STUD | |
| | 6 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 7 | 1 | **7H-0847** | 1 | STUD (3/8IN) | |
| | 8 | 1 | **9S-8752** | 2 | NUT-FULL (3/8-16 THD) | |




GRAPHIC #1

g00773293

# *159-8106* TANK GP-FUEL

S/N: AKA1-UP

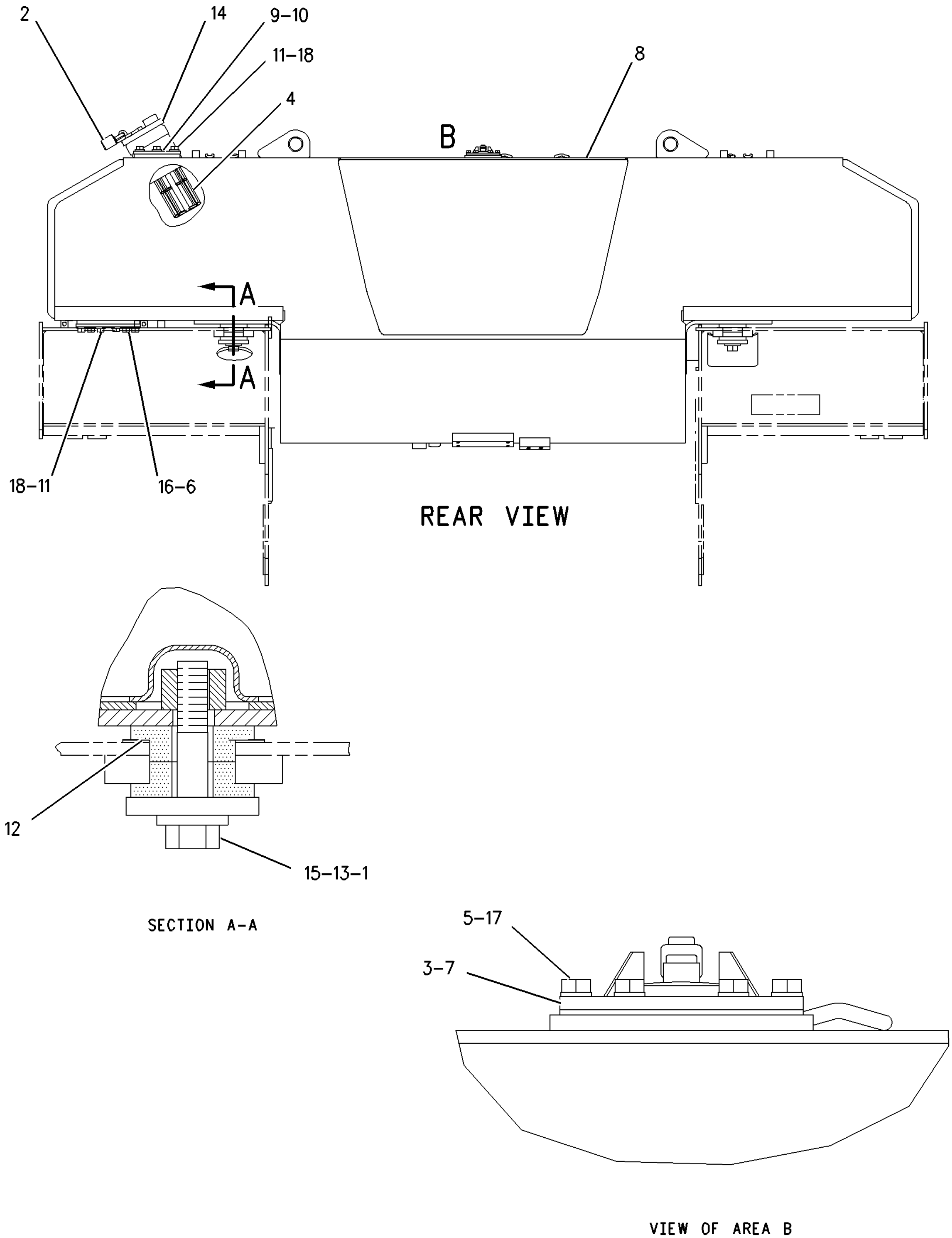
PART OF 157-0819 CHASSIS AR

SMCS-1273 i01434996

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2G-0493** | 4 | WASHER-RETAINING (20X82.55X11MM THK) | |
| | 2 | 1 | **5P-8502** | 1 | PADLOCK GP | |
| A | | 1 | **5P-8500** | 1 | KEY | |
| A | | 1 | **8Y-6364** | 1 | SLEEVE | |
| | 3 | 1 | **6C-3060** | 1 | GASKET | |
| | 4 | 1 | **9P-7121** | 1 | STRAINER-FUEL | |
| | 5 | 1 | **6N-7523** | 6 | WASHER (6.48X11.9X1.57MM THK) | |
| | 6 | 1 | **164-3417** | 1 | COVER | |
| L | 7 | 1 | **160-1823** | 1 | SENDER AS-FUEL | |
| N | 8 | 1 | **164-3414** | 1 | TANK AS | |
| | | 1 | **5J-8225** | 1 | SEAL-U-CUP (54.70MM ID) | |
| | | 1 | **6G-7724** | 1 | FLANGE | |
| | | 1 | **6T-6221** | 1 | BOSS | |
| | | 1 | **6Y-2119** | 1 | TUBE AS | |
| | | 1 | **7T-2853** | 1 | FITTING | |
| | | 1 | **7T-1099** | 15 | LINK | |
| | 9 | 1 | **187-1679** | 1 | COVER | |
| | 10 | 1 | **1H-8128** | 1 | SEAL-O-RING (94.84MM ID) | |
| | 11 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 12 | 1 | **6T-1698** | 8 | MOUNTING | |
| | 13 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |
| J | 14 | 1 | **7X-7700** | 1 | CAP AS-FUEL TANK | |
| | | 1 | **9X-8600** | 1 | SEAL-O-RING (110.49MM ID) | |
| | 15 | 1 | **8C-8842** | 4 | BOLT (3/4-10X4 IN) | |
| | 16 | 1 | **5H-6734** | 1 | SEAL-O-RING (113.89MM ID) | |
| | 17 | 1 | **8T-9364** | 6 | BOLT (1/4-20X.625 IN) | |
| | 18 | 1 | **8T-4896** | 12 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **9X-2205** | 1 | KIT-CAP FILTER (FUEL TANK) | |
| | | | | | (INCLUDES FILTER, SCREWS, GASKETS & VALVE) | |
| L | | | **138-0444** | 1 | KIT-DIAL SENSOR | |
| | | | | | (INCLUDES SENSOR, SCREWS, RECEPTACLE, PINS & WEDGE) | |

A-NOT PART OF THIS GROUP
J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J
L-REPAIR KIT MARKED L AVAILABLE FOR PART MARKED L
N-NEW PART

*159-8106* **TANK GP-FUEL** ***(contd.)*** **i01434996**




GRAPHIC #1

g00749329

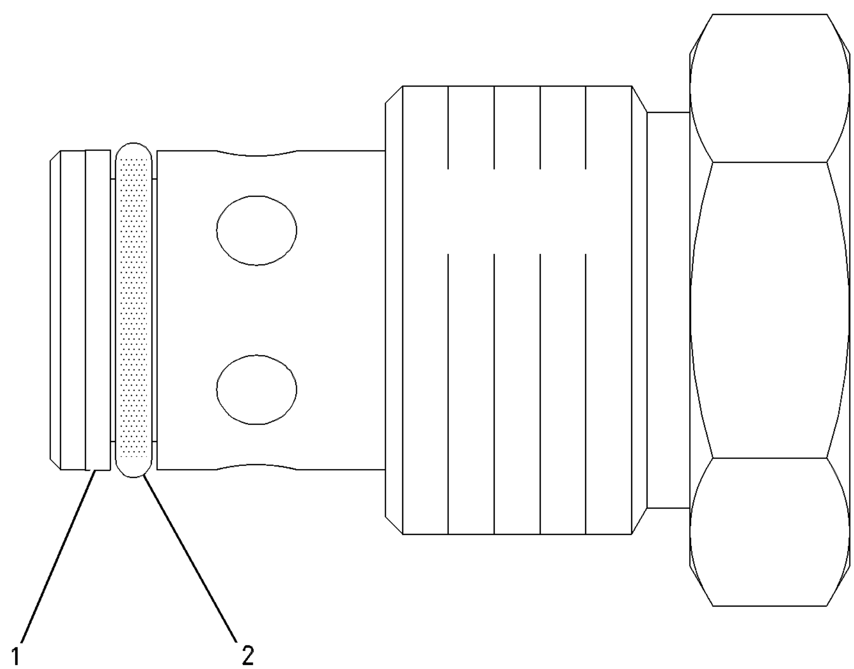
## *156-5783* VALVE GP-CHECK

**S/N: AKA1-UP; BET1-UP**

**PART OF 139-6941, 183-4346 BASE GP-FUEL FILTER**

**SMCS-1250, 1251, 1261, 1262, 1274** **i01444875**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6V-6923** | 1 | RING-BACKUP (13.16MM ID) | |
| | 2 | 1 | **033-6033** | 1 | SEAL-O-RING (12.42MM ID) | |




GRAPHIC #1

g00655663

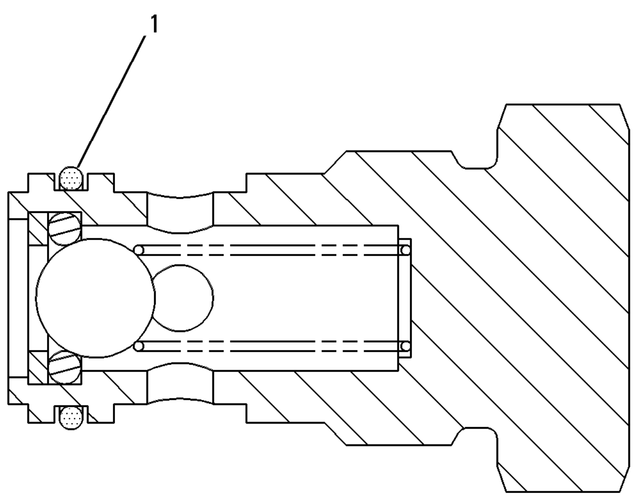
# *139-6873* VALVE GP-FUEL BYPASS

**S/N: AKA1-UP; BET1-UP**

**PART OF 139-6941, 183-4346 BASE GP-FUEL FILTER**

**SMCS-1250** **i01444878**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2P-2975** | 1 | SEAL-O-RING (17.17MM ID) | |




GRAPHIC #1 g00266124

# 3E-6328 ALARM GP–ACTION

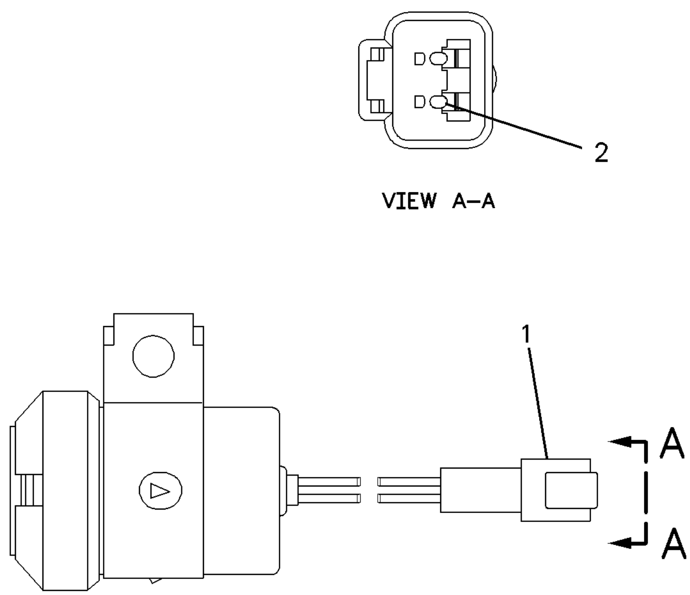
S/N: AKA1-UP

24 VOLT

PART OF 159-9264 WIRING GP-PLATFORM

SMCS-7402 | i01487980

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 2 | 1 | **186-3735** | 2 | PIN-CONNECTOR | |




GRAPHIC #1 g00697818

# MEMORANDA

## 3E-7577 ALTERNATOR GP-CHARGING*R

S/N: AKA1-UP

24 VOLT, 75 AMP

PART OF 160-0567 ALTERNATOR GP-CHARGING

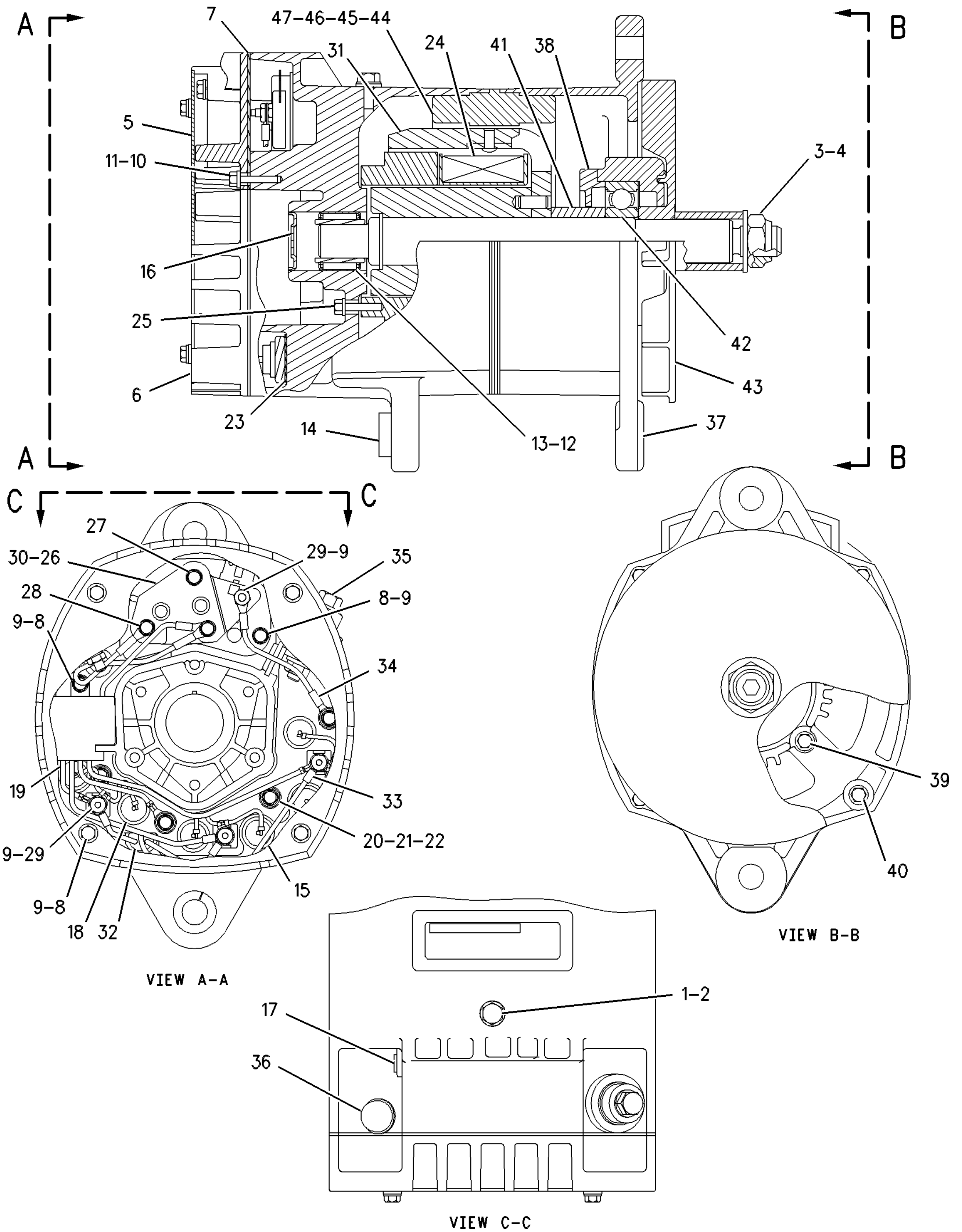
SMCS-1405, 1410, 1425 i01052311

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-2011** | 1 | SCREW-MACHINE | |
| | 2 | 1 | **1H-3244** | 1 | LOCKWASHER (NO.14) | |
| | 3 | 1 | **2K-4821** | 1 | LOCKNUT (5/8-18 THD) | |
| | 4 | 1 | **7F-7621** | 1 | WASHER | |
| | 5 | 1 | **9S-2260** | 1 | PLATE-COVER | |
| | 6 | 1 | **9S-2255** | 1 | COVER | |
| | 7 | 1 | **9S-2262** | 1 | GASKET | |
| | 8 | 1 | **9S-2544** | 6 | SCREW-HEX HEAD | |
| | 9 | 1 | **9B-7233** | 10 | LOCKWASHER (NO.8) | |
| | 10 | 1 | **9S-2437** | 5 | SCREW-TAPPING | |
| | 11 | 1 | **8F-1434** | 5 | LOCKWASHER (0.51MM THK) | |
| | 12 | 1 | **5P-3418** | 1 | BEARING-ROLLER | |
| | 13 | 1 | **5P-3419** | 1 | RACE-BEARING INNER | |
| | 14 | 1 | **9S-2396** | 1 | BUSHING-TERMINAL | |
| | 15 | 1 | **9S-2393** | 3 | DIODE-NEGATIVE | |
| | 16 | 1 | **9N-0943** | 1 | PLUG-BEARING WELL | |
| | 17 | 1 | **9F-2247** | 1 | PLUG-PIPE | |
| | 18 | 1 | **9S-2292** | 1 | HEAT SINK AS | |
| | 19 | 1 | **100-6656** | 1 | DIODE AS-ALTERNATOR | |
| | 20 | 1 | **9S-9830** | 4 | SCREW-FORMING | |
| | 21 | 1 | **8C-9660** | 4 | WASHER (0.8MM THK) | |
| | 22 | 1 | **9S-2300** | 4 | INSULATOR | |
| | 23 | 1 | **9S-2301** | 1 | INSULATION | |
| | 24 | 1 | **9S-2248** | 1 | COIL & SUPPORT AS | |
| | 25 | 1 | **9N-3388** | 3 | LOCKSCREW | |
| | 26 | 1 | **3T-6354** | 1 | REGULATOR AS | |
| | 27 | 1 | **7N-9023** | 1 | SCREW AS | |
| | 28 | 1 | **6N-1872** | 2 | SCREW AS | |
| | 29 | 1 | **4B-2043** | 4 | NUT (8-32 THD) | |
| | 30 | 1 | **100-6657** | 1 | PLATE-ALTERNATOR | |
| | 31 | 1 | **9S-2302** | 1 | ROTOR AS | |
| | 32 | 1 | **9S-2005** | 1 | GROMMET | |
| | 33 | 1 | **2L-8075** | 3 | TERMINAL (HORN) | |
| | 34 | 1 | **100-6658** | 1 | WIRE AS-ALTERNATOR | |
| | 35 | 1 | **9S-2389** | 1 | STUD AS | |
| | 36 | 1 | **9L-6770** | 1 | CAP | |
| | 37 | 1 | **2P-5616** | 1 | FRAME-DRIVE END | |
| | 38 | 1 | **9S-2390** | 1 | RETAINER | |
| | 39 | 1 | **9X-2500** | 4 | SCREW-HEX FLANGE | |
| | 40 | 1 | **9S-2009** | 4 | SCREW-HEAD | |
| | 41 | 1 | **100-6532** | 1 | COLLAR-ALTERNATOR | |
| | 42 | 1 | **5P-7807** | 1 | BALL BEARING | |
| | 43 | 1 | **100-6531** | 1 | FAN-ALTERNATOR | |
| | 44 | 1 | **9S-3451** | 1 | STATOR AS | |
| | 45 | 1 | **9S-2006** | 1 | INSULATOR | |
| | 46 | 1 | **9S-2005** | 1 | GROMMET | |
| | 47 | 1 | **9S-2014** | 3 | CLIP | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **9S-2013** | 1 | KIT-RELAY TERMINAL | |
| | | | | | (INCL BUSHING, O-RING & HARDWARE) | |
| | | | **9S-2012** | 1 | KIT-OUTPUT TERMINAL | |
| | | | | | (INCL GASKETS,TERMINALS & HARDWARE) | |
| | | | **9S-2290** | 3 | KIT-DIODE JUNCTION STUD | |
| | | | | | (INCL INSULATOR & STUD) | |

## 3E-7577 ALTERNATOR GP-CHARGING *(contd.)* i01052311

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | | **9S-2291** | 3 | KIT-POSITIVE DIODE | |
| | | | | | (INCLUDES DIODE) | |

**3E-7577 ALTERNATOR GP-CHARGING** *(contd.)* i01052311




GRAPHIC #1 g00545706

## *160-0567* ALTERNATOR GP-CHARGING

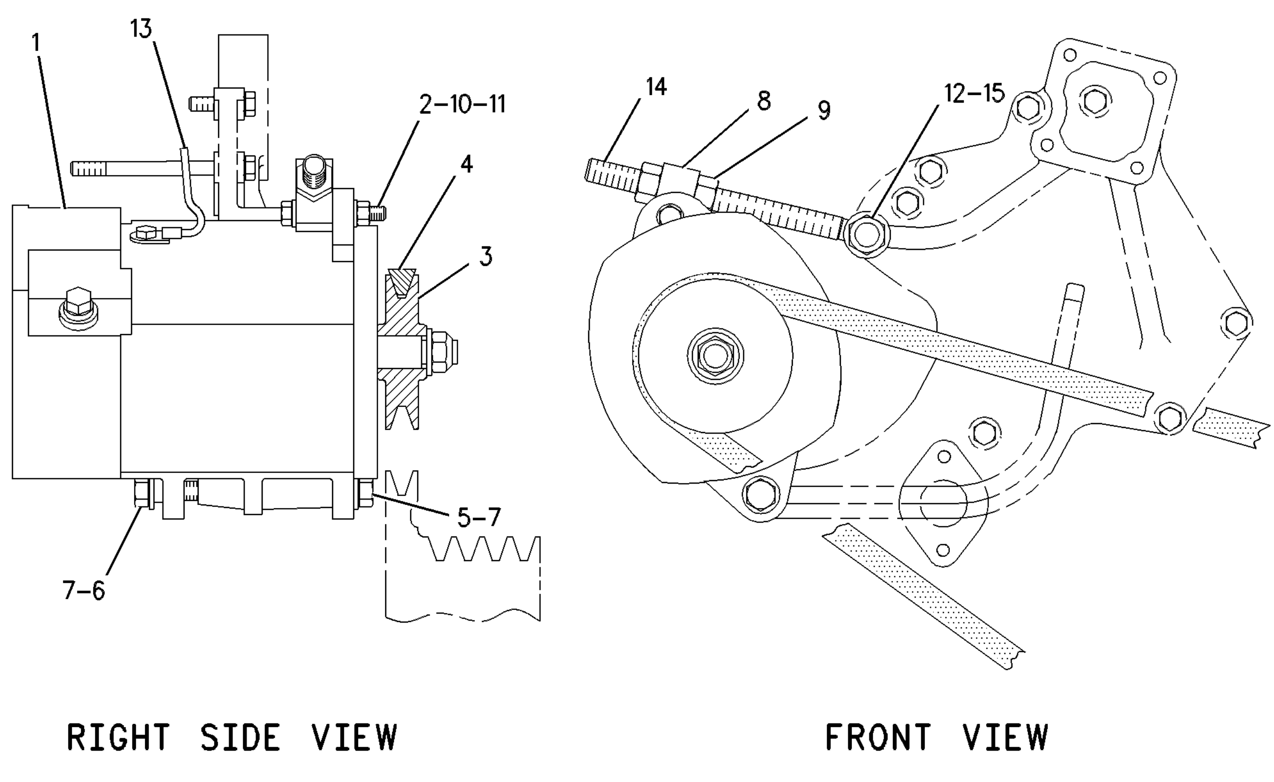
**S/N: AKA1-UP**

**24 VOLT, 75 AMPERE**

**SMCS-1405, 1410, 1425** **i01488821**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| YR | 1 | 1 | **3E-7577** | 1 | ALTERNATOR GP-CHARGING | 190 |
| | 2 | 1 | **4L-6459** | 1 | BOLT (3/8-16X2.5 IN) | |
| | 3 | 1 | **8Q-1963** | 1 | PULLEY-ALTERNATOR | |
| | 4 | 1 | **4N-8218** | 1 | V-BELT | |
| | 5 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 6 | 1 | **8T-8919** | 1 | BOLT (1/2-13X1.75 IN) | |
| | 7 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 8 | 1 | **9S-3784** | 1 | BLOCK | |
| | 9 | 1 | **7X-0448** | 2 | NUT (5/8-11 THD) | |
| | 10 | 1 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 11 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 12 | 1 | **8T-4122** | 1 | WASHER-HARD (17X32X3.5MM THK) | |
| | 13 | 1 | **185-6392** | 1 | WIRE AS | |
| | 14 | 1 | **1S-4589** | 1 | ROD | |
| | 15 | 1 | **7X-0345** | 1 | BOLT (5/8-11X1.75 IN) | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00547789

# ELECTRICAL AND STARTING SYSTEM

## *160-4921* ALTERNATOR GP-CHARGING

S/N: AKA1-UP

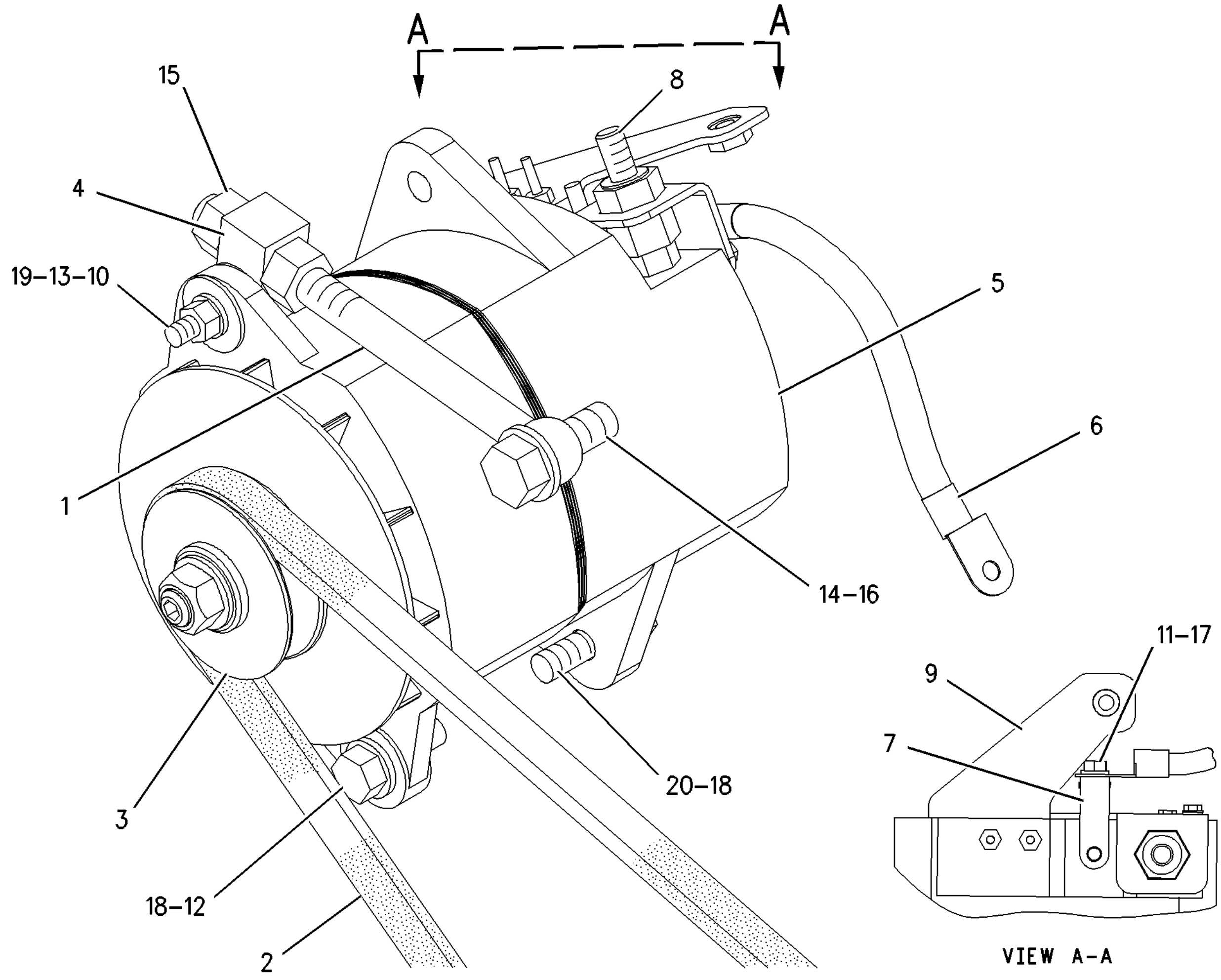
24 VOLT/100 AMP

SMCS-1405, 1410, 1425 i01485966

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1S-4589** | 1 | ROD | |
| | 2 | 1 | **4N-8218** | 1 | V-BELT | |
| | 3 | 1 | **8Q-1963** | 1 | PULLEY-ALTERNATOR (1 GROOVE) | |
| | 4 | 1 | **9S-3784** | 1 | BLOCK | |
| YR | 5 | 1 | **165-5140** | 1 | ALTERNATOR GP-CHARGING | 196 |
| | 6 | 1 | **185-6392** | 1 | WIRE AS | |
| | 7 | 1 | **192-7468** | 1 | STRAP | |
| | 8 | 1 | **192-7469** | 1 | ADAPTER | |
| | 9 | 1 | **197-4980** | 1 | BRACKET AS | |
| | 10 | 1 | **4L-6459** | 1 | BOLT (3/8-16X2.5 IN) | |
| | 11 | 1 | **4M-5281** | 1 | BOLT (1/4-20X0.750 IN) | |
| | 12 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 13 | 1 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 14 | 1 | **7X-0345** | 1 | BOLT (5/8-11X1.75 IN) | |
| | 15 | 1 | **7X-0448** | 2 | NUT (5/8-11 THD) | |
| | 16 | 1 | **8T-4122** | 1 | WASHER-HARD (17X32X3.5MM THK) | |
| | 17 | 1 | **8T-4205** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 18 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 19 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 20 | 1 | **8T-8919** | 1 | BOLT (1/2-13X1.75 IN) | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

*160-4921* **ALTERNATOR GP-CHARGING** ***(contd.)*** **i01485966**




GRAPHIC #1 g00760115

# 165-5140 ALTERNATOR GP-CHARGING*R

S/N: AKA1-UP

24 VOLT, 100 AMPERE

PART OF 160-4921 ALTERNATOR GP-CHARGING

SMCS-1405, 1410, 1425 i01469295

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | | | (NO SERVICED PARTS) | |

# *172-0335* ALTERNATOR GP-CHARGING

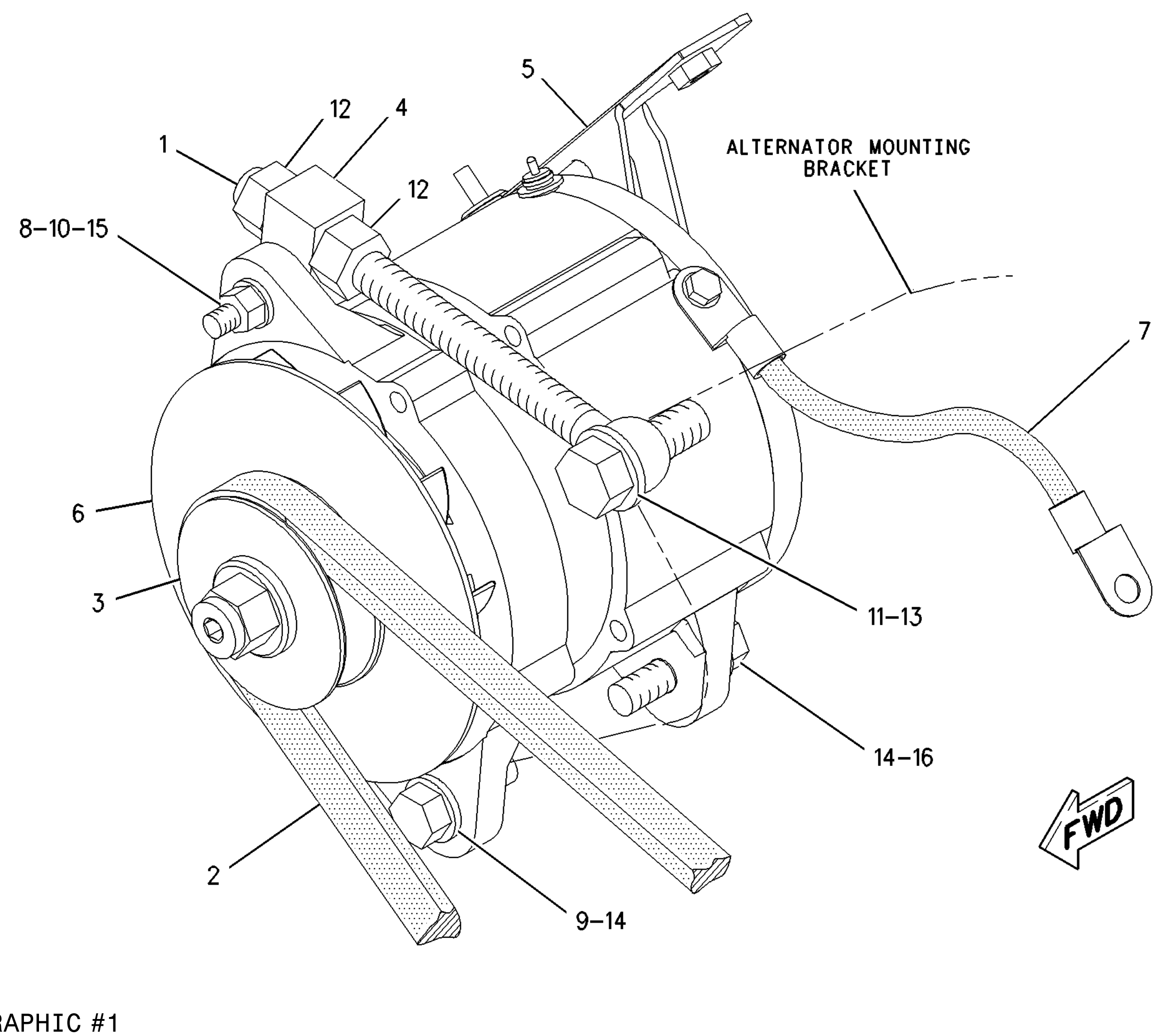
**S/N: AKA1-UP**

**24 VOLT/70 AMP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1405, 1410, 1425** **i01443740**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1S-4589** | 1 | ROD | |
| | 2 | 1 | **4N-8218** | 1 | V-BELT | |
| | 3 | 1 | **8Q-1963** | 1 | PULLEY-ALTERNATOR (1 GROOVE) | |
| | 4 | 1 | **9S-3784** | 1 | BLOCK | |
| | 5 | 1 | **184-5498** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **185-5294** | 1 | ALTERNATOR GP-CHARGING | |
| | 7 | 1 | **185-6392** | 1 | WIRE AS | |
| | 8 | 1 | **4L-6459** | 1 | BOLT (3/8-16X2.5 IN) | |
| | 9 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 10 | 1 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 11 | 1 | **7X-0345** | 1 | BOLT (5/8-11X1.75 IN) | |
| | 12 | 1 | **7X-0448** | 2 | NUT (5/8-11 THD) | |
| | 13 | 1 | **8T-4122** | 1 | WASHER-HARD (17X32X3.5MM THK) | |
| | 14 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 15 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 16 | 1 | **8T-8919** | 1 | BOLT (1/2-13X1.75 IN) | |




GRAPHIC #1

g00756787

## *183-7648* ALTERNATOR GP-CHARGING

S/N: AKA1-UP

PART OF 202-9780 ALTERNATOR GP-CHARGING, 143-7722 DISPOSAL AR-WASTE

SMCS-1405, 1410, 1425 i01488502

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | | | (NO SERVICE PARTS) | |

# MEMORANDA

# *202-9780* ALTERNATOR GP-CHARGING

**S/N: AKA1-UP**

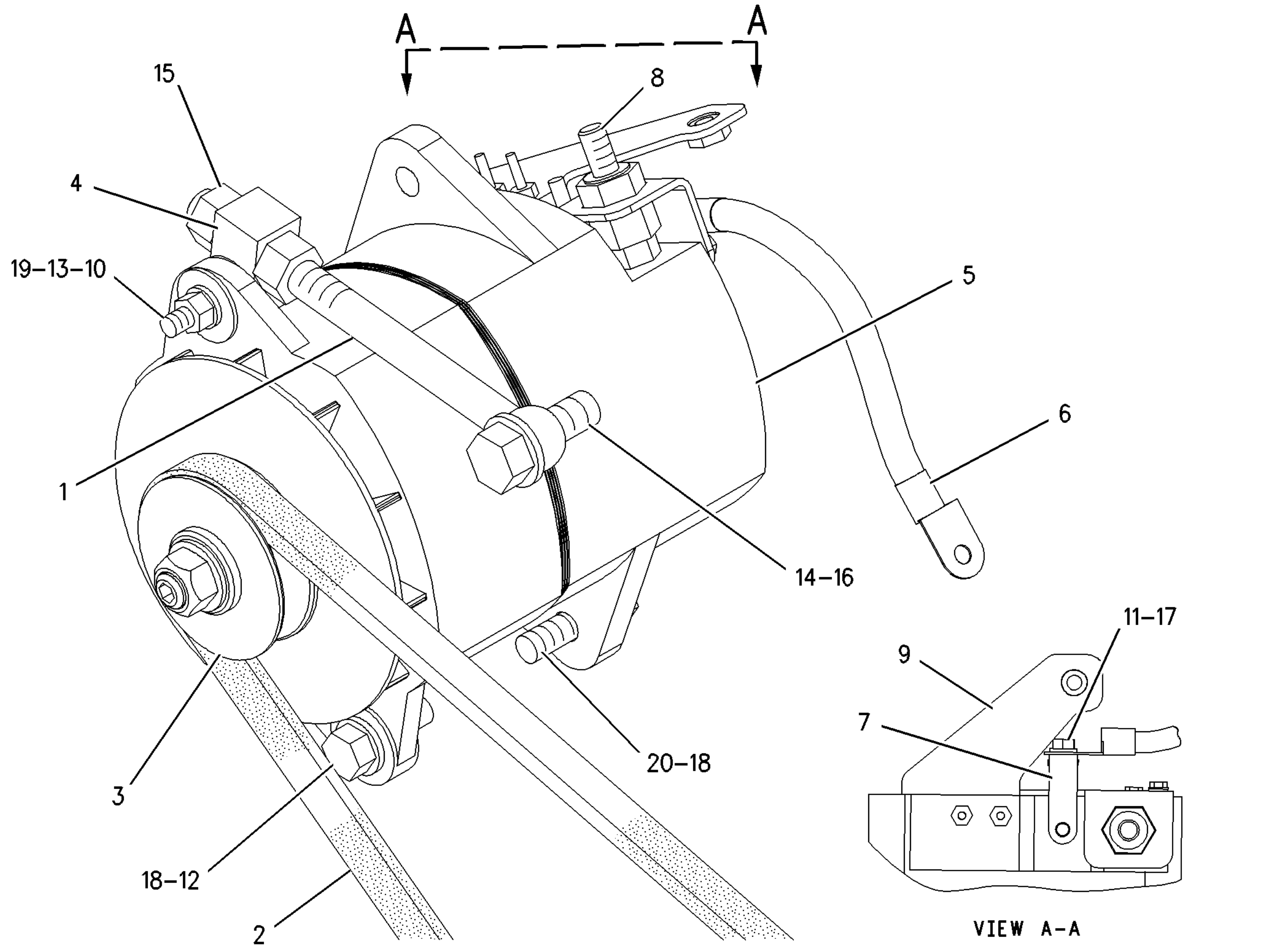
**PART OF 143-7740 WOODCHIP AR**

**SMCS-1405, 1410, 1425** **i01491014**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1S-4589** | 1 | ROD | |
| | 2 | 1 | **4N-8218** | 1 | V-BELT | |
| | 3 | 1 | **8Q-1963** | 1 | PULLEY-ALTERNATOR | |
| | 4 | 1 | **9S-3784** | 1 | BLOCK | |
| Y | 5 | 1 | **183-7648** | 1 | ALTERNATOR GP-CHARGING | 198 |
| | 6 | 1 | **185-6392** | 1 | WIRE AS | |
| | 7 | 1 | **192-7468** | 1 | STRAP | |
| | 8 | 1 | **192-7469** | 1 | ADAPTER | |
| | 9 | 1 | **197-4980** | 1 | BRACKET AS | |
| | 10 | 1 | **4L-6459** | 1 | BOLT (3/8-16X2.5 IN) | |
| | 11 | 1 | **4M-5281** | 1 | BOLT (1/4-20X0.750 IN) | |
| | 12 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 13 | 1 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 14 | 1 | **7X-0345** | 1 | BOLT (5/8-11X1.75 IN) | |
| | 15 | 1 | **7X-0448** | 2 | NUT (5/8-11 THD) | |
| | 16 | 1 | **8T-4122** | 1 | WASHER-HARD (17X32X3.5MM THK) | |
| | 17 | 1 | **8T-4205** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 18 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 19 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 20 | 1 | **8T-8919** | 1 | BOLT (1/2-13X1.75 IN) | |

Y-SEPARATE ILLUSTRATION

## *202-9780* **ALTERNATOR GP-CHARGING** ***(contd.)*** **i01491014**




GRAPHIC #1 g00760115

## *159-9263* BATTERY & WIRING GP

S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

SMCS-1401, 1402, 1408 i01486719

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2V-6166** | 1 | CABLE AS | |
| | | 1 | **1S-7251** | 2 | TERMINAL-RING (FOR 1/2 IN BOLT) | |
| E | | 1 | **5P-0747** | | CABLE (00GA)(BLACK) (41CM) | |
| | 2 | 1 | **4W-9972** | 2 | SENDER-TEMPERATURE | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **4B-2049** | 1 | NUT (10-32 THD) | |
| | | 1 | **8F-1434** | 1 | LOCKWASHER | |
| BE | | 1 | **8T-0328** | 1 | WASHER-HARD (5.5X10X1MM THK) | |
| | 3 | 1 | **6V-2455** | 1 | SENSOR GP-SPEED | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| BE | | 1 | **9X-1386** | | SLEEVE | |
| | 4 | 1,2 | **7K-1181** | 120 | STRAP-CABLE | |
| Y | 5 | 2 | **7N-0718** | 1 | SWITCH GP-DISCONNECT (BATTERY) | 284 |
| | 6 | 2 | **7Y-5497** | 1 | GROMMET | |
| | 7 | 2 | **7Y-5546** | 1 | CABLE AS | |
| E | | 2 | **5P-0747** | | CABLE (00GA)(BLACK) (25CM) | |
| | | 2 | **7N-5274** | 1 | COVER-TERMINAL (BLACK) | |
| | | 2 | **8N-1725** | 1 | COVER-TERMINAL (RED) | |
| | | 2 | **3S-6050** | 1 | TERMINAL AS-BATTERY (NEGATIVE) | |
| | | 2 | **3S-6049** | 1 | TERMINAL AS-BATTERY (POSITIVE) | |
| | | | | | (EACH TERMINAL AS INCLUDES) | |
| | | 2 | **1M-6119** | 1 | BOLT-BATTERY TERMINAL (5/16-18X1.375 IN) | |
| | | 2 | **1M-6120** | 1 | NUT-BATTERY TERMINAL (5/16-18 THD) | |
| | 8 | 1 | **8S-2634** | 1 | COVER AS | |
| | | 1 | **2P-2975** | 2 | SEAL-O-RING | |
| | 9 | 2 | **9C-9743** | 1 | CABLE AS | |
| E | | 2 | **5P-0747** | | CABLE (00GA)(BLACK) (40CM) | |
| | | 2 | **7N-5274** | 1 | COVER-TERMINAL (BLACK) | |
| | | 2 | **8N-1725** | 1 | COVER-TERMINAL (RED) | |
| | | 2 | **3S-6050** | 1 | TERMINAL AS-BATTERY (NEGATIVE) | |
| | | 2 | **3S-6049** | 1 | TERMINAL AS-BATTERY (POSITIVE) | |
| | | | | | (EACH TERMINAL AS INCLUDES) | |
| | | 2 | **1M-6119** | 1 | BOLT-BATTERY TERMINAL (5/16-18X1.375 IN) | |
| | | 2 | **1M-6120** | 1 | NUT-BATTERY TERMINAL (5/16-18 THD) | |
| | 10 | 1 | **9M-4136** | 1 | SPACER (12.7MM THK) | |
| | 11 | 1 | **117-0067** | 1 | ELBOW | |
| | 12 | 2 | **118-6365** | 1 | PLATE AS | |
| Y | 13 | 1 | **118-7226** | 1 | SENSOR GP-TEMPERATURE | 272 |
| | 14 | 2 | **121-2844** | 1 | HARNESS AS (CRANK WITHOUT INJECTION) | |
| | | 2 | **102-8803** | 2 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (EACH INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 15 | 1 | **123-6449** | 1 | ALARM AS-BACKUP | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| BD | | 1 | **5P-5677** | | WIRE (18 GA) | |
| BE | | 1 | **9X-1813** | | SLEEVE | |
| | 16 | 1 | **159-7614** | 1 | HARNESS AS (FUEL TANK) | |
| | | 1 | **102-8802** | 2 | KIT-RECEPTACLE (2 PIN) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |

## *159-9263* BATTERY & WIRING GP *(contd.)* i01486719

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 3 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 17 | 1 | **160-5570** | 1 | HARNESS AS (ENGINE) | |
| | | 1 | **102-8802** | 5 | KIT-RECEPTACLE (2 PIN) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2260** | 4 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 10 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 18 | 1 | **160-5579** | 1 | HARNESS AS (RH FENDER) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 3 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| Y | 19 | 1 | **161-9926** | 1 | SENSOR GP-PRESSURE | 263 |
| | 20 | 1 | **164-3744** | 2 | WIRE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| BD | | 1 | **5P-5677** | | WIRE (18 GA) | |
| | | 1 | **9G-3695** | 1 | PLUG (GROMMET SEALING) | |
| E | | 1 | **5P-1476** | 1 | TERMINAL (BLADE) (72CM) | |
| | | 1 | **9X-3401** | 1 | PIN-CONNECTOR | |
| | | | | | (FOR 16-18 GA WIRE) | |
| | | | | | —OR— | |
| | | 1 | **126-1767** | 1 | CONNECTOR-PIN | |
| | | | | | (FOR 14 GA WIRE) | |
| Y | 21 | 1 | **164-7577** | 2 | SWITCH GP-BYPASS | 283 |
| | 22 | 1 | **164-8102** | 1 | CABLE AS | |
| | | 1 | **1M-4986** | 1 | TERMINAL-RING (FOR 1/2IN BOLT) | |
| | | 1 | **1S-4915** | 2 | LINER-CONDUIT | |
| E | | 1 | **5P-0695** | | CONDUIT (328CM) | |
| E | | 1 | **5P-0760** | | CABLE (0 GA) (339CM) | |
| | | 1 | **8N-0869** | 1 | COVER-TERMINAL (RED) | |
| E | | 1 | **8T-2225** | | TUBE-SHRINKABLE (16CM) | |
| | | 1 | **9X-0195** | 1 | TERMINAL (CABLE) | |
| | | 1 | **9X-9120** | 1 | BOOT (RED) | |
| | 23 | 2 | **164-8128** | 1 | CABLE AS | |
| | | 2 | **1S-7251** | 1 | TERMINAL-RING (FOR 1/2 IN BOLT) | |
| | | 2 | **1S-7252** | 1 | TERMINAL-RING (FOR 3/8IN BOLT) | |
| | | 2 | **8S-3020** | 1 | TERMINAL-CABLE | |
| E | | 2 | **5P-0747** | | CABLE (00GA)(BLACK) (122CM) | |
| | | 2 | **6T-0465** | 1 | COVER-TERMINAL (BLACK) | |
| | 24 | 1 | **167-4224** | 1 | PLATE AS | |
| | | 1 | **7T-1099** | 2 | LINK | |
| | 25 | 2 | **168-4629** | 1 | CABLE AS | |

## *159-9263* **BATTERY & WIRING GP** *(contd.)* i01486719

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | | 2 | **5P-0747** | | CABLE (00GA)(BLACK) (121CM) | |
| | | 2 | **7N-5274** | 2 | COVER-TERMINAL (BLACK) | |
| | | 2 | **8S-3020** | 1 | TERMINAL-CABLE | |
| | | 2 | **9X-5699** | 1 | BOOT | |
| | | 2 | **3S-6050** | 1 | TERMINAL AS-BATTERY (NEGATIVE) | |
| | | 2 | **1M-6119** | 1 | BOLT-BATTERY TERMINAL (5/16-18X1.375 IN) | |
| | | 2 | **1M-6120** | 1 | NUT-BATTERY TERMINAL (5/16-18 THD) | |
| | 26 | 2 | **172-4864** | 1 | GUARD | |
| | 27 | 1 | **174-7875** | 1 | HORN AS (24 VOLT)(HIGH TONE) | |
| | 28 | 2 | **178-9580** | 1 | PLATE | |
| | 29 | 1 | **179-0787** | 1 | HARNESS AS (BACKUP ALARM) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL | |
| | 30 | 2 | **179-6444** | 1 | HOLD-DOWN AS | |
| | | 2 | **189-9240** | 2 | LINK | |
| | 31 | 2 | **179-6445** | 1 | HOLD-DOWN AS | |
| | | 2 | **7T-1099** | 5 | LINK | |
| | 32 | 2 | **179-9557** | 1 | WIRE AS | |
| | | 2 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| BD | | 2 | **5P-5677** | | WIRE (18 GA) | |
| | | 2 | **9G-3695** | 1 | PLUG (GROMMET SEALING) | |
| | | 2 | **2L-8079** | 1 | TERMINAL (14-16 GA,.375IN/9.52MM SCREW) | |
| | | 2 | **9X-3401** | 1 | PIN-CONNECTOR | |
| | | | | | (FOR 16-18 GA WIRE) | |
| | | | | | -OR- | |
| | | 2 | **126-1767** | 1 | CONNECTOR-PIN | |
| | | | | | (FOR 14 GA WIRE) | |
| | 33 | 1 | **183-3441** | 1 | HARNESS AS (RADIATOR GUARD) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 34 | 1 | **184-7425** | 1 | PLATE | |
| | 35 | 1 | **190-2840** | 1 | CABLE AS | |
| | | 1 | **1S-4915** | 2 | LINER-CONDUIT | |
| | | 1 | **1S-7251** | 1 | TERMINAL-RING (FOR 1/2 IN BOLT) | |
| E | | 1 | **5P-0695** | | CONDUIT (178CM) | |
| E | | 1 | **5P-0761** | | CABLE (00GA)(RED) (207CM) | |
| | | 1 | **7N-2708** | 1 | TERMINAL (CABLE) | |
| | | 1 | **8N-0869** | 1 | COVER-TERMINAL (RED) | |
| E | | 1 | **8T-2225** | | TUBE-SHRINKABLE (20CM) | |
| | 36 | 2 | **191-8693** | 1 | CABLE AS | |
| | | 2 | **1S-4915** | 2 | LINER-CONDUIT | |
| | | 2 | **9G-0004** | 1 | COVER-TERMINAL (RED) | |
| E | | 2 | **5P-0695** | | CONDUIT (5CM) | |
| E | | 2 | **5P-0761** | | CABLE (00GA)(RED) (59CM) | |
| | | 2 | **8C-5917** | 1 | TERMINAL AS-BATTERY (POSITIVE) | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **1M-6119** | 1 | BOLT-BATTERY TERMINAL (5/16-18X1.375 IN) | |
| | | 2 | **1M-6120** | 1 | NUT-BATTERY TERMINAL (5/16-18 THD) | |
| | | 2 | **8L-8413** | 1 | STRAP-CABLE | |
| | | 2 | **9G-0002** | 1 | COVER-TERMINAL | |
| | | 2 | **190-3848** | 1 | TERMINAL-RING | |
| E | | 1 | **8T-2225** | | TUBE-SHRINKABLE (8CM) | |
| Y | 37 | 1 | **193-2550** | 1 | SENSOR GP-SPEED | 271 |

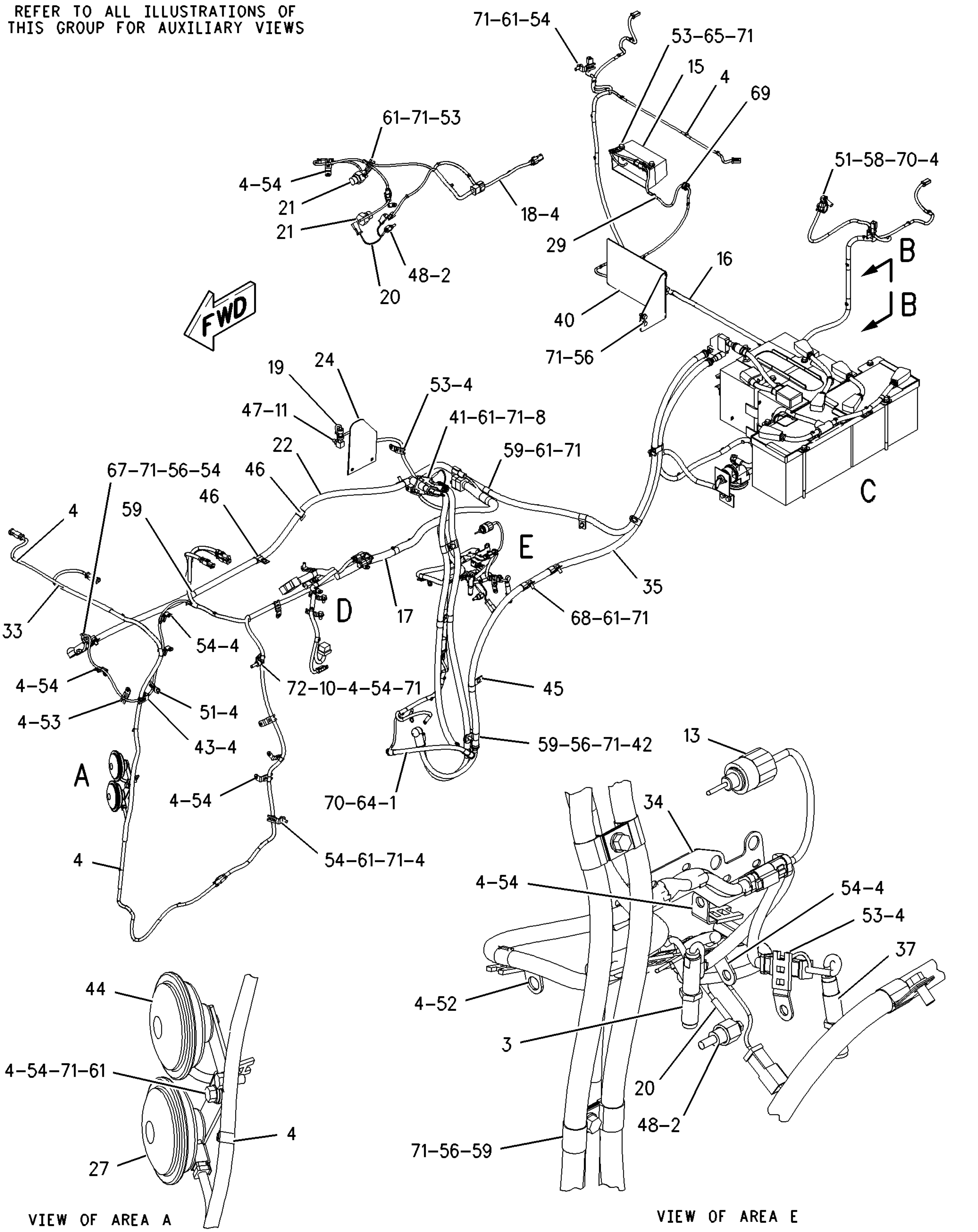
## *159-9263* BATTERY & WIRING GP *(contd.)* i01486719

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 38 | 2 | **194-7664** | 1 | HARNESS AS | |
| | | 2 | **102-8801** | 1 | KIT-RECEPTACLE (12 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 39 | 2 | **195-0417** | 1 | PLATE AS | |
| | 40 | 1 | **198-2694** | 1 | PLATE AS | |
| | 41 | 1 | **199-1192** | 1 | RECEPTACLE AS | |
| | | 1 | **1S-4915** | 4 | LINER-CONDUIT | |
| | | 1 | **1S-7251** | 2 | TERMINAL-RING (FOR 1/2 IN BOLT) | |
| E | | 1 | **5P-0695** | | CONDUIT (220CM) | |
| E | | 1 | **5P-0747** | | CABLE (00GA)(BLACK) (128CM) | |
| E | | 1 | **5P-0761** | | CABLE (00GA)(RED) (168CM) | |
| E | | 1 | **8T-2225** | | TUBE-SHRINKABLE (37CM) | |
| | 42 | 1 | **200-2183** | 1 | ANGLE AS | |
| | 43 | 1 | **132-5789** | 1 | CLIP | |
| | 44 | 1 | **174-7876** | 1 | HORN AS (24 VOLT)(LOW TONE) | |
| | 45 | 1 | **1S-0996** | 1 | CLIP | |
| | 46 | 1 | **1S-1015** | 2 | CLIP | |
| | 47 | 1 | **3J-7354** | 2 | SEAL-O-RING | |
| | 48 | 1 | **3K-0360** | 2 | SEAL-O-RING | |
| | 49 | 2 | **3T-5760** | 4 | BATTERY (MAINTENANCE FREE) (12 VOLT) | |
| | 50 | 2 | **4K-8864** | 1 | CLIP | |
| | 51 | 1 | **4P-7428** | 2 | CLIP | |
| | 52 | 1 | **4P-7429** | 1 | CLIP | |
| | 53 | 1,2 | **4P-7581** | 13 | CLIP | |
| | 54 | 1 | **4P-8134** | 17 | CLIP | |
| | 55 | 2 | **4S-1962** | 1 | CLIP (25.4MM ID) | |
| | 56 | 1,2 | **5M-3062** | 10 | BOLT (3/8-16X0.75 IN) | |
| | 57 | 2 | **5P-1075** | 10 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 58 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 59 | 1 | **5P-4295** | 11 | CLIP | |
| | 60 | 2 | **5P-9938** | 4 | BOLT-LOCKING (3/8-16X1.375 IN) | |
| | 61 | 1,2 | **5S-7379** | 23 | BOLT (3/8-16X0.875 IN) | |
| | 62 | 2 | **6D-4247** | 2 | CLIP | |
| | 63 | 2 | **6V-7191** | 2 | BOLT | |
| | 64 | 1,2 | **6V-8188** | 2 | NUT (1/2-13 THD) | |
| | 65 | 1 | **7X-0291** | 2 | BOLT (3/8-16X3.75 IN) | |
| | 66 | 2 | **7X-0304** | 4 | BOLT | |
| | 67 | 1 | **8M-2769** | 1 | CLIP (25.4MM ID) | |
| | 68 | 1 | **8S-0948** | 2 | CLIP | |
| | 69 | 1 | **8T-0323** | 1 | GROMMET (12.70MM ID) | |
| | 70 | 1,2 | **8T-4223** | 3 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 71 | 1,2 | **8T-4896** | 36 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 72 | 1 | **8T-9375** | 1 | BOLT (3/8-16X1.75 IN) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

*159-9263* **BATTERY & WIRING GP** ***(contd.)*** **i01486719**

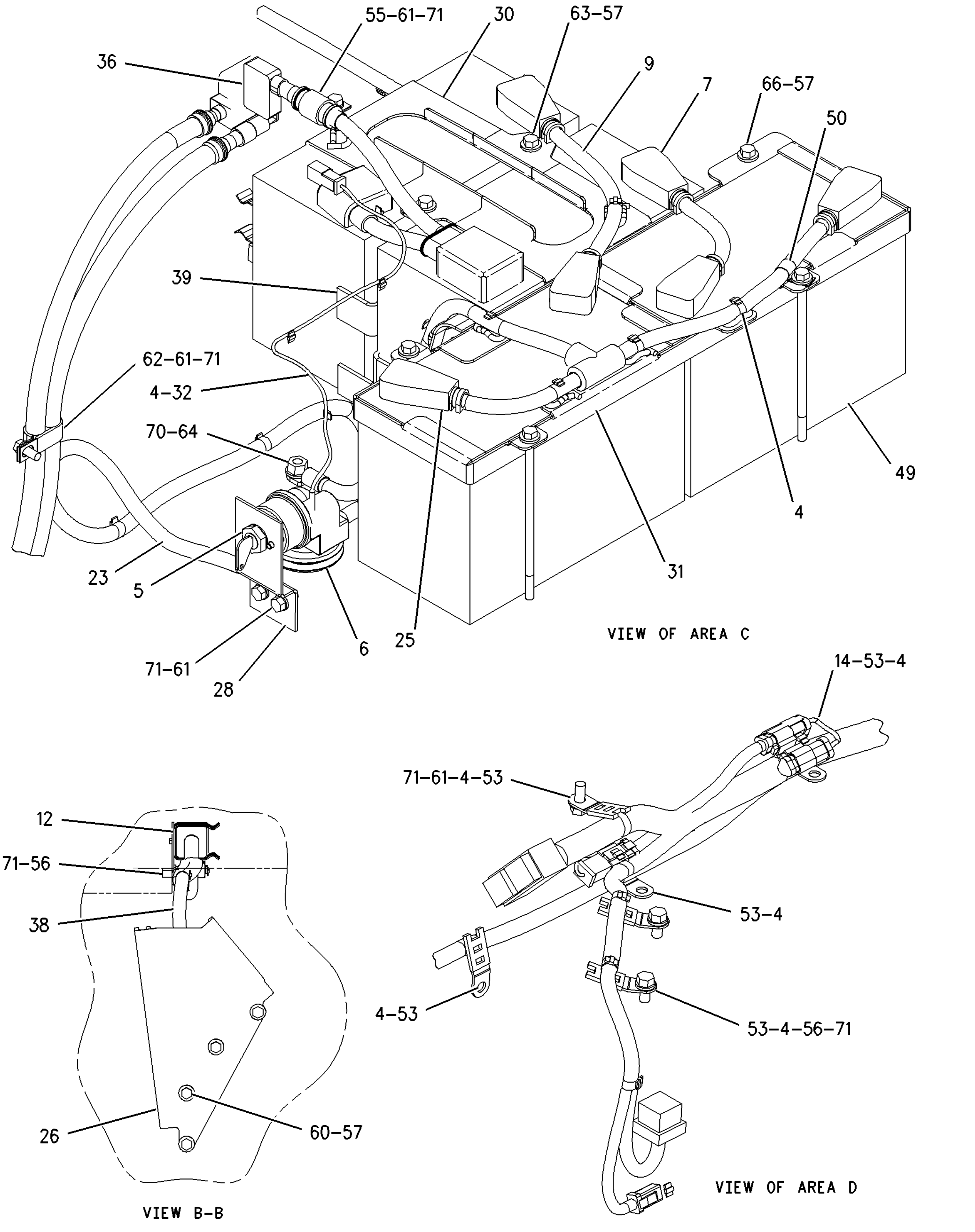



GRAPHIC #1

g00769605

# ELECTRICAL AND STARTING SYSTEM

*159-9263* **BATTERY & WIRING GP** ***(contd.)*** **i01486719**




GRAPHIC #2 g00769606

## *158-8077* CONTROL & MTG GP-ELECTRONIC

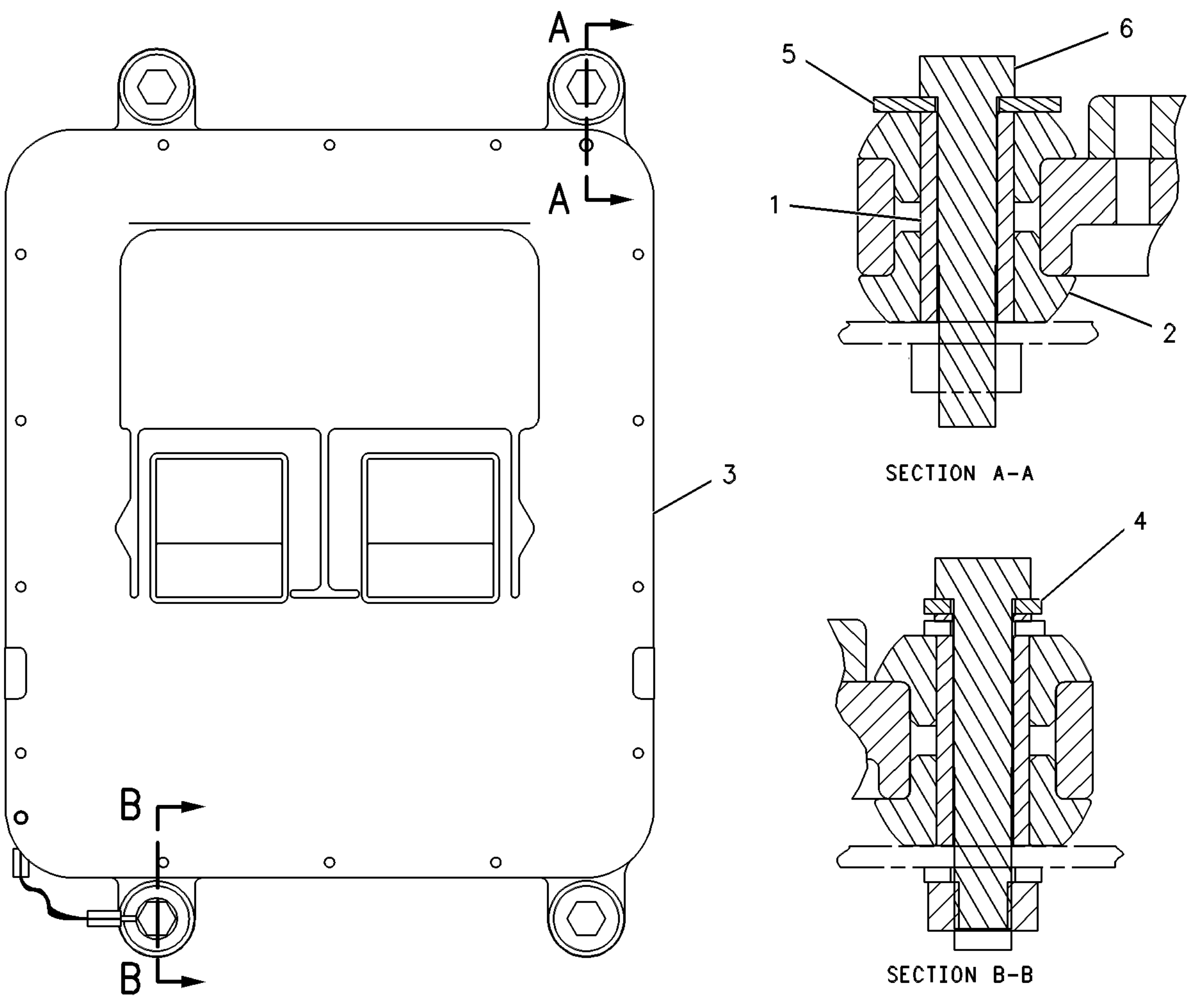
**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-1901** **i01430545**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6I-1418** | 4 | SPACER (7.48X12.7X28.7MM THK) | |
| | 2 | 1 | **8T-9655** | 8 | MOUNT (ISOLATION) | |
| CY | 3 | 1 | **172-9389** | 1 | CONTROL GP-UNPROGRAMMED | 215 |
| | 4 | 1 | **8T-4224** | 1 | WASHER-HARD (8.8X16X2MM THK) | |
| | 5 | 1 | **9N-0869** | 4 | WASHER-HARD (8.8X25.5X2MM THK) | |
| M | 6 | 1 | **7X-0818** | 4 | BOLT (M8X1.25X45MM) | |

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00258550

# MEMORANDA

# ELECTRICAL AND STARTING SYSTEM

## *186-2169* CONTROL & MTG GP-ENGINE ELEK

**S/N: BET1-UP**

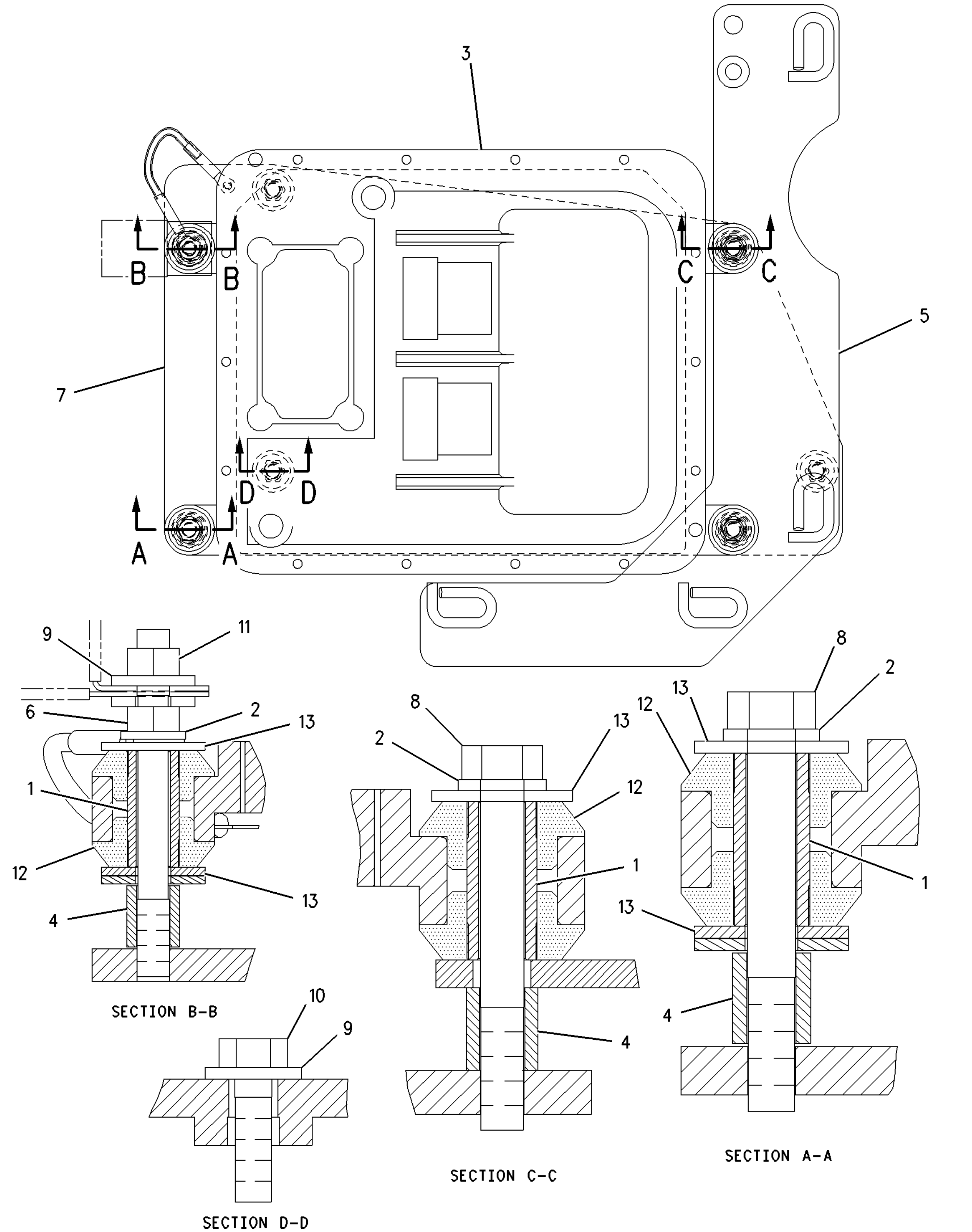
**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1901** **i01488035**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6I-1418** | 4 | SPACER (7.48X12.7X28.7MM THK) | |
| | 2 | 1 | **9M-1974** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| Y | 3 | 1 | *115-3055* | 1 | CONTROL GP-ENGINE ELECTRONIC | 212 |
| | 4 | 1 | **127-1991** | 4 | SPACER (15MM THK) | |
| | 5 | 1 | **185-7445** | 1 | BRACKET AS | |
| | 6 | 1 | **127-1570** | 1 | STUD-BOLT | |
| | 7 | 1 | **144-6284** | 1 | PLATE | |
| | 8 | 1 | **1D-4539** | 3 | BOLT (5/16-18X2.5 IN) | |
| | 9 | 1 | **3E-4352** | 5 | WASHER-HARD (8.8X20.5X2.5MM THK) | |
| | 10 | 1 | **4B-3388** | 3 | BOLT (5/16-18X1.125 IN) | |
| | 11 | 1 | **5S-0003** | 1 | NUT (5/16-18 THD) | |
| | 12 | 1 | **8T-9655** | 8 | MOUNT (ISOLATION) | |
| | 13 | 1 | **9N-0869** | 8 | WASHER-HARD (8.8X25.5X2MM THK) | |

Y-SEPARATE ILLUSTRATION

*186-2169* **CONTROL & MTG GP-ENGINE ELEK** *(contd.)* **i01488035**




GRAPHIC #1

g00773569

## *115-3055* CONTROL GP-ENGINE ELECTRONIC

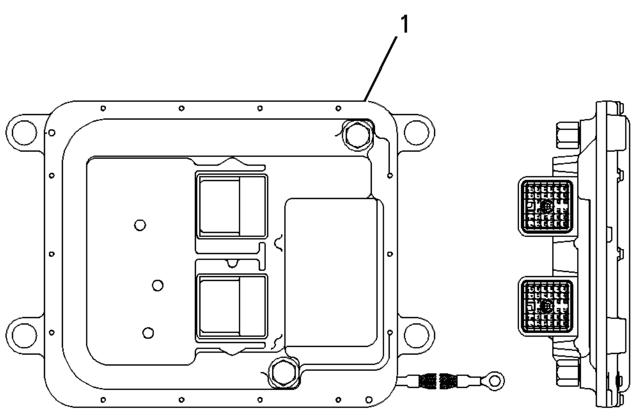
**S/N: BET1-UP**

**PART OF 186-2169 CONTROL & MTG GP-ENGINE ELEK**

**SMCS-1901** **i01440855**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *145-7806* | 1 | CONTROL GP-ENGINE ELECTRONIC | 213 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00282085

# *145-7806* CONTROL GP-ENGINE ELECTRONIC

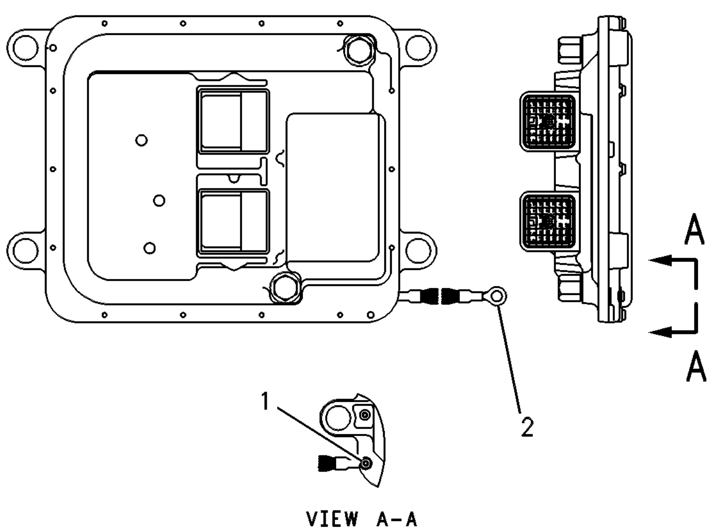
**S/N: BET1-UP**

**PART OF 115-3055 CONTROL GP-ENGINE ELECTRONIC**

**SMCS-1901** **i01440859**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **126-7574** | 1 | SCREW-PAN HEAD | |
| | 2 | 1 | **7X-6315** | 1 | STRAP-GROUNDING | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| M | | | **6V-6703** | 2 | KIT-RETAINING BOLT | |
| | | | | | (EACH INCLUDES BOLT, RETAINING RING AND 4 O-RING SEALS) | |

M-METRIC PART




GRAPHIC #1 g00262561

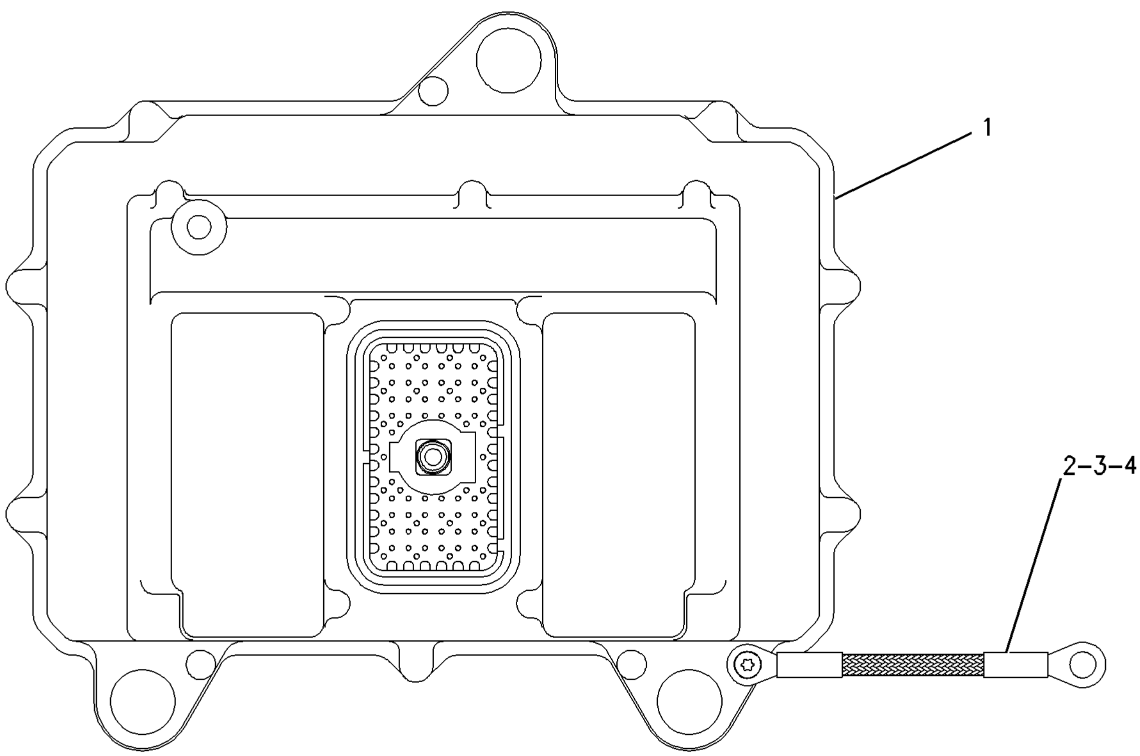
## 193-8550 CONTROL GP-MACHINE

**S/N: AKA1-UP**

**PART OF 180-5051 INSTALLATION GP-SECURITY, 194-9351 SERVICE GP-MACHINE**

**i01489122**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **193-8549** | 1 | CONTROL AS-ELECTRONIC | |
| | 2 | 1 | **7X-6315** | 1 | STRAP-GROUNDING | |
| | 3 | 1 | **184-2472** | 1 | SCREW-PAN HEAD (LUBRICATED) | |
| | 4 | 1 | **134-4126** | 1 | WASHER (4.52X8.28X.76MM THK) | |




GRAPHIC #1

g00728621

# 172-9389 CONTROL GP-UNPROGRAMMED

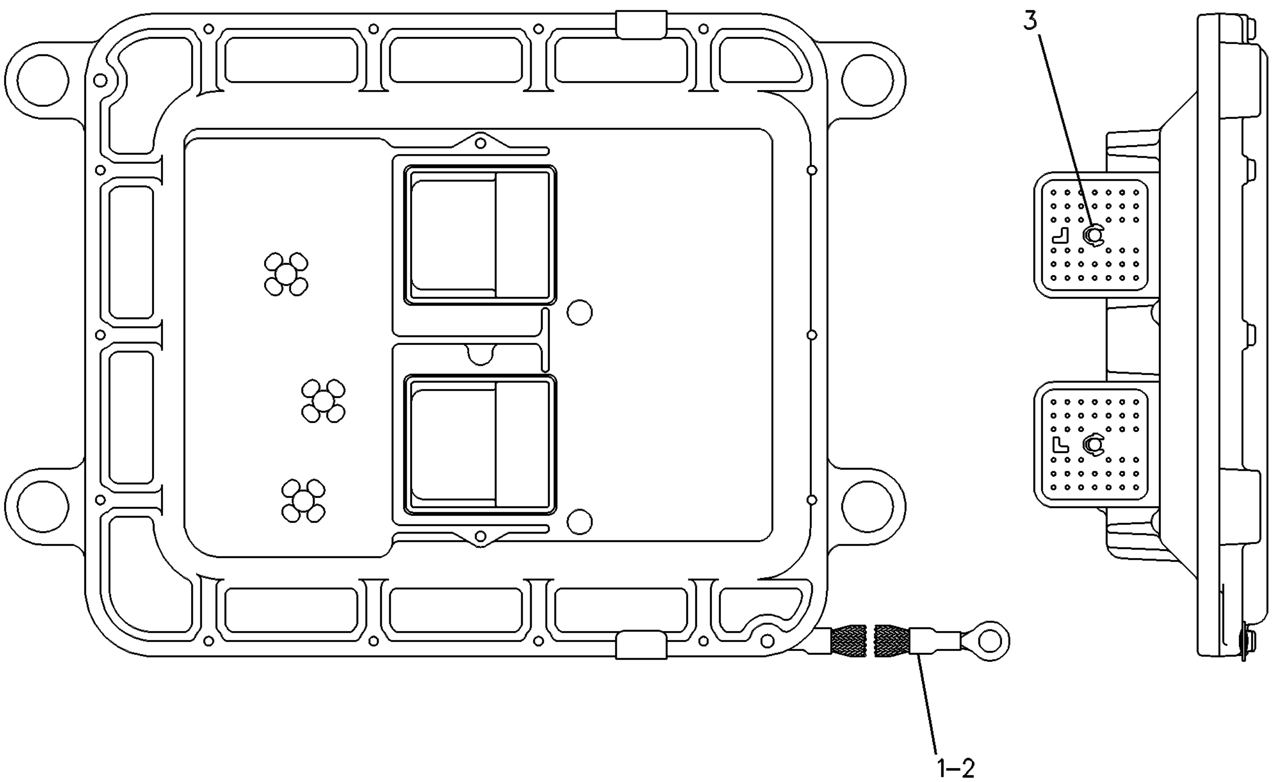
**S/N: AKA1-UP**

**PART OF 158-8077 CONTROL & MTG GP-ELECTRONIC, 192-9800 CONTROL GP-ELECTRONIC**

**SMCS-3030** **i01310423**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7X-6315** | 1 | STRAP-GROUNDING | |
| | 2 | 1 | **101-0852** | 1 | SCREW-PAN HEAD (NO 8 X 3/8 IN) | |
| M | 3 | 1 | **6V-6703** | 2 | KIT-RETAINING BOLT | |
| | | | | | (EACH INCLUDES BOLT, RING, AND SEALS) | |
| | | | | | | |
| | | | | | | |
| | | | | | FOR SOFTWARE, SEE ELECTRONICS GP | |

M-METRIC PART




GRAPHIC #1

g00087166

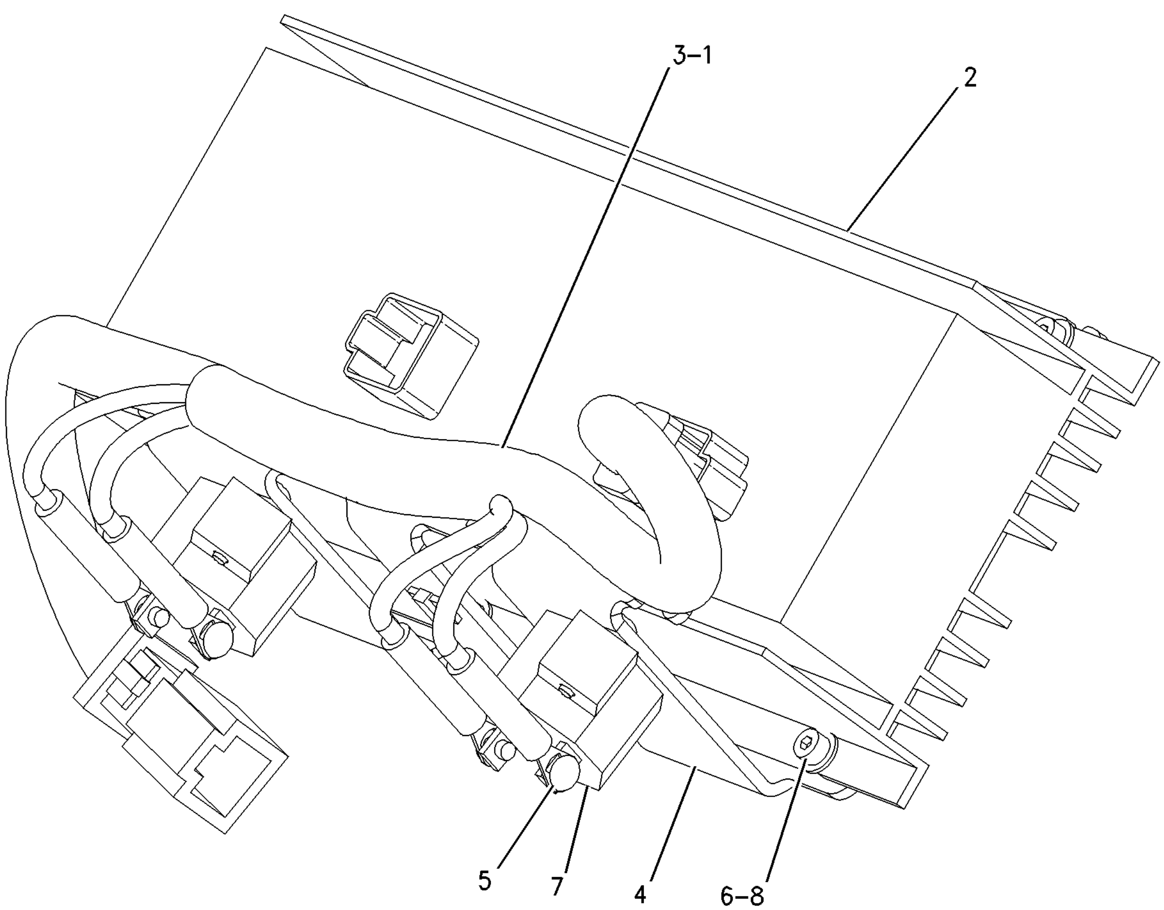
## *167-7630* CONVERTER GP-ELECTRICAL

S/N: AKA1-UP

SMCS-1421 | i01489023

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7K-1181** | 6 | STRAP-CABLE | |
| | 2 | 1 | **184-3579** | 1 | CONVERTER-POWER (20 AMP) | |
| | 3 | 1 | **185-5628** | 1 | HARNESS AS | |
| | | 1 | **177-9656** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 4 | 1 | **192-4209** | 1 | PLATE | |
| | 5 | 1 | **068-4209** | 4 | SCREW (8-32X0.75 IN) | |
| M | 6 | 1 | **107-3786** | 8 | BOLT (M4X.7X12MM) | |
| | 7 | 1 | **3T-2662** | 2 | CIRCUIT BREAKER AS (15 AMP) | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-8376** | 2 | SCREW-MACHINE (8-32X0.25 IN) | |
| | | 1 | **9B-7233** | 2 | LOCKWASHER | |
| | 8 | 1 | **8T-0328** | 8 | WASHER-HARD (5.5X10X1MM THK) | |

M-METRIC PART




GRAPHIC #1

g00777738

## *159-9035* ELECTRONICS GP-MACHINE

**S/N: AKA1-UP**

**PART OF 157-1740 ELECTRONICS AR-MACHINE**

**SMCS-7000** **i01432796**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **192-9799** | 1 | SOFTWARE GP | |
| | | | (SOFTWARE ONLY) | |
| | | | —OR— | |
| Y | **192-9800** | 1 | CONTROL GP-ELECTRONIC | 757 |
| | | | (OPTIONAL SERVICE REPLACEMENT) (INCLUDES SOFTWARE) | |

Y-SEPARATE ILLUSTRATION

# *195-5202* ELECTRONICS GP-MACHINE

**S/N: AKA1-UP**

**PART OF 195-5236 INSTALLATION AR-SECURITY**

**SMCS-7000** **i01489127**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **194-9350** | 1 | SOFTWARE GP-MACHINE (SECURITY SYSTEM)<br>(SOFTWARE ONLY) | |
| | | | —OR— | |
| Y | **194-9351** | 1 | SERVICE GP-MACHINE (SECURITY SYSTEM)<br>(INCLUDES SOFTWARE) | 273 |
| | | | (OPTIONAL SERVICE REPLACEMENT) | |

Y-SEPARATE ILLUSTRATION

# *195-5200* ELECTRONICS GP-MONITOR

**S/N: AKA1-UP**

**PART OF 157-1740 ELECTRONICS AR-MACHINE**

**SMCS-7490, 7601, 7603, 7620** **i01432909**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **186-0928** | 1 | SOFTWARE GP-MONITOR | |
| | | | (SOFTWARE ONLY) | |
| | | | —OR— | |
| Y | **186-0929** | 1 | CONTROL GP-ELECTRONIC | 756 |
| | | | (OPTIONAL SERVICE REPLACEMENT) (INCLUDES SOFTWARE) | |

Y-SEPARATE ILLUSTRATION

## *160-7827* HEATER GP-FUEL

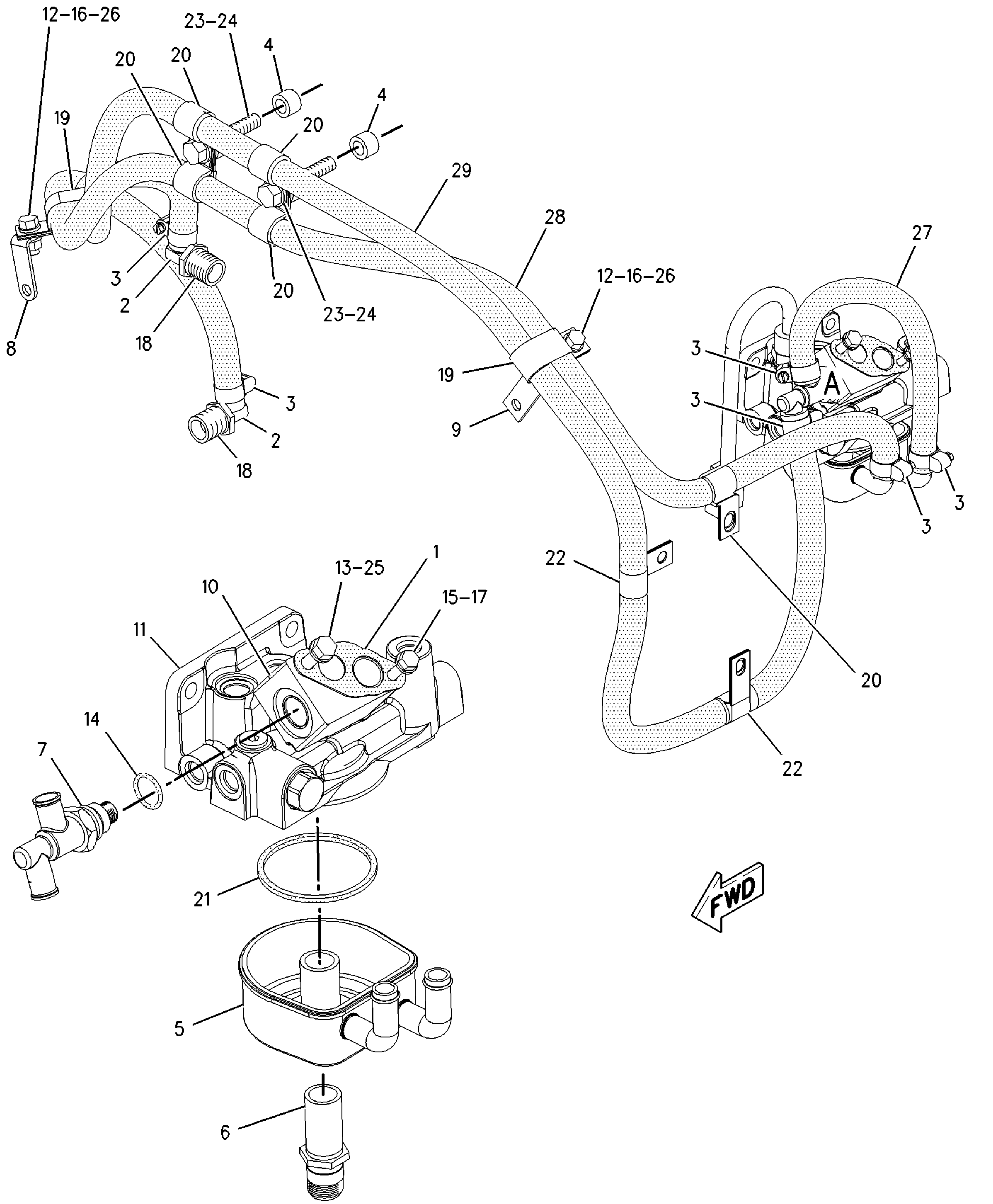
**S/N: AKA1-UP**

**SMCS-1296** **i01488987**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1P-0436** | 2 | GASKET (FUEL PRIMING PUMP) | |
| | 2 | 1 | **3K-7928** | 2 | ELBOW | |
| | 3 | 1 | **5D-1026** | 6 | CLAMP-HOSE | |
| | 4 | 1 | **6H-0853** | 2 | BUSHING-TERMINAL | |
| | 5 | 1 | **7C-7368** | 1 | HEATER AS-FUEL | |
| | 6 | 1 | **7C-7397** | 1 | CONNECTOR | |
| | 7 | 1 | **8N-9707** | 1 | REGULATOR-FUEL TEMPERATURE | |
| | 8 | 1 | **9L-6331** | 1 | BRACKET | |
| | 9 | 1 | **9N-1394** | 1 | BRACKET | |
| | 10 | 1 | **170-4666** | 1 | ADAPTER | |
| Y | 11 | 1 | *183-4346* | 1 | BASE GP-FUEL FILTER | 172 |
| | 12 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 13 | 1 | **1D-4541** | 1 | BOLT (5/16-18X3 IN) | |
| | 14 | 1 | **2M-9780** | 1 | SEAL-O-RING | |
| | 15 | 1 | **4B-9365** | 1 | BOLT (1/4-20X3 IN) | |
| | 16 | 1 | **5M-2894** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 17 | 1 | **5P-0537** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 18 | 1 | **6B-4661** | 2 | BUSHING-REDUCER | |
| | 19 | 1 | **6D-1641** | 2 | CLIP | |
| | 20 | 1 | **6D-4636** | 5 | CLIP | |
| | 21 | 1 | **7C-7398** | 1 | SEAL | |
| | 22 | 1 | **8S-0948** | 2 | CLIP | |
| | 23 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 24 | 1 | **8T-9389** | 2 | BOLT (1/2-13X2.75 IN) | |
| | 25 | 1 | **9M-1974** | 1 | WASHER-HARD (8.8X16X2MM THK) | |
| | 26 | 1 | **9S-8752** | 2 | NUT-FULL (3/8-16 THD) | |
| E | 27 | 1 | **5P-0767** | | HOSE (31.8CM) | |
| E | 28 | 1 | **5P-0767** | | HOSE (180.5CM) | |
| E | 29 | 1 | **5P-0767** | | HOSE (194CM) | |

E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

*160-7827* **HEATER GP-FUEL** ***(contd.)*** **i01488987**




GRAPHIC #1 g00758576

# *161-1189* HEATER GP-JACKET WATER

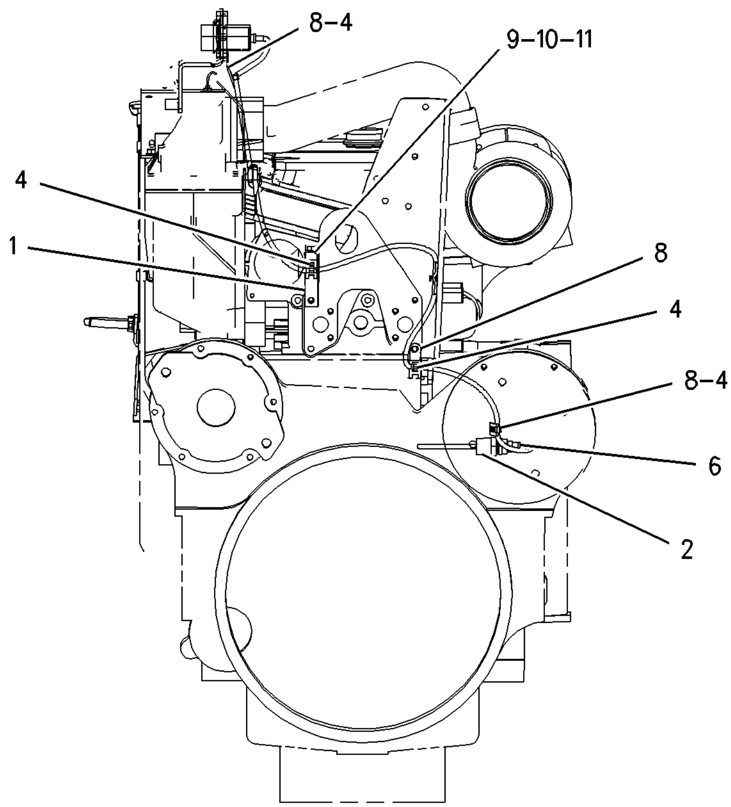
S/N: AKA1-UP

120 VOLT/1500 WATT

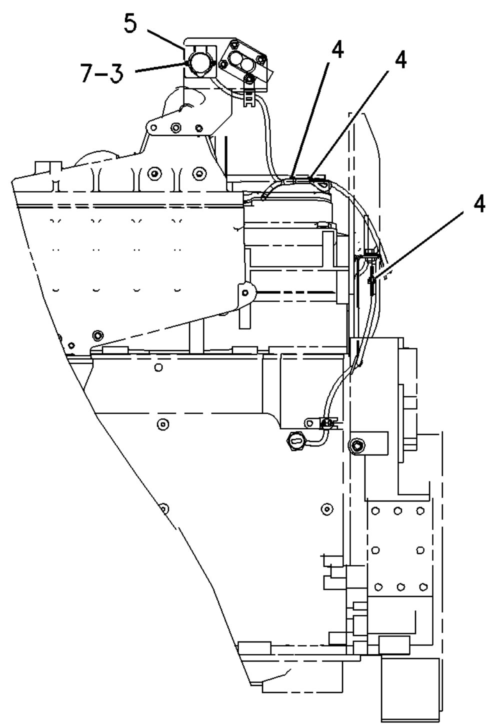
SMCS-1383 i01488990

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6T-2724** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 2 | 1 | **9G-6655** | 1 | ELEMENT AS-JACKET WATER HEATER | |
| | 3 | 1 | **6V-8927** | 2 | BOLT-SOCKET HEAD (6-32X0.5 IN) | |
| | 4 | 1 | **9X-6772** | 7 | STRAP-CABLE | |
| | 5 | 1 | **199-5128** | 1 | RECEPTACLE AS | |
| | 6 | 1 | **197-6281** | 1 | CORD AS | |
| | 7 | 1 | **096-6166** | 2 | WASHER-HARD (4.5X9X1MM THK) | |
| | 8 | 1 | **4P-7581** | 3 | CLIP | |
| | 9 | 1 | **4P-8134** | 1 | CLIP | |
| | 10 | 1 | **5M-3062** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 11 | 1 | **5P-1075** | 1 | WASHER-HARD (10.2X22.5X3MM THK) | |

*161-1189* **HEATER GP-JACKET WATER** ***(contd.)*** **i01488990**




REAR VIEW




LEFT SIDE VIEW

GRAPHIC #1

g00758775

## *161-3617* HEATER GP-JACKET WATER

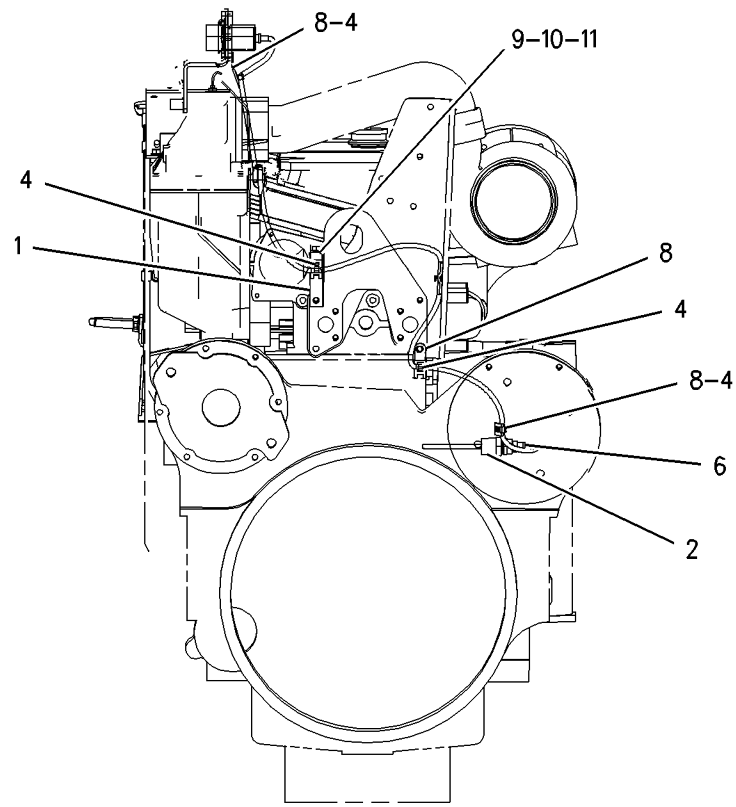
**S/N: AKA1-UP**

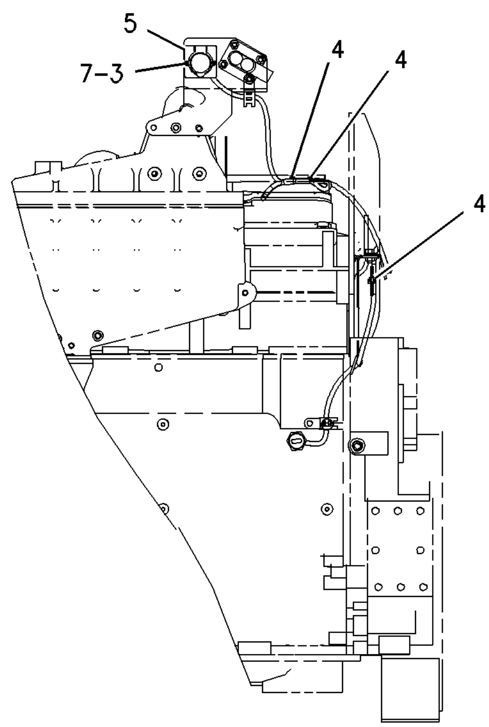
**240 VOLT/1500 WATT**

**SMCS-1383** **i01486287**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6T-2724** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 2 | 1 | **6T-3764** | 1 | ELEMENT AS-JACKET WATER HEATER (240 VOLT/1500 WATT) | |
| | 3 | 1 | **6V-8927** | 2 | BOLT-SOCKET HEAD (6-32X0.5 IN) | |
| | 4 | 1 | **9X-6772** | 7 | STRAP-CABLE | |
| | 5 | 1 | **199-5128** | 1 | RECEPTACLE AS | |
| | 6 | 1 | **199-5142** | 1 | CORD AS-JACKET WATER HEATER (240 VOLT/15 AMP) | |
| | 7 | 1 | **096-6166** | 2 | WASHER-HARD (4.5X9X1MM THK) | |
| | 8 | 1 | **4P-7581** | 3 | CLIP | |
| | 9 | 1 | **4P-8134** | 1 | CLIP | |
| | 10 | 1 | **5M-3062** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 11 | 1 | **5P-1075** | 1 | WASHER-HARD (10.2X22.5X3MM THK) | |

*161-3617* **HEATER GP-JACKET WATER** ***(contd.)*** **i01486287**




GRAPHIC #1

g00758771

# *195-5236* INSTALLATION AR-SECURITY

**S/N: AKA1-UP**

**SMCS-7631** **i01489105**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *180-5051* | 1 | INSTALLATION GP-SECURITY | 228 |
| Y | *195-5202* | 1 | ELECTRONICS GP-MACHINE (SECURITY SYSTEM) | 218 |

Y-SEPARATE ILLUSTRATION

# *180-3835* INSTALLATION GP-COMMUNICATION

**S/N: AKA1-UP**

**SMCS-7602** **i01496619**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **4E-8266** | 7 | BOSS | |
| M | **6V-7357** | 3 | BOLT (M6X1.0X25MM) | |
| M | **6V-7728** | 4 | BOLT (M6X1.0X45MM) | |
| | **8C-5607** | 8 | MOUNT (ISOLATION) | |
| | **8C-5608** | 4 | SPACER (6.5X9.5X25.4MM THK) | |
| M | **8T-0639** | 4 | BOLT (M6X1.00X12MM) | |
| | **9X-6165** | 4 | WASHER (6.5X22X2.5MM THK) | |
| | **115-8109** | 2 | SPLICE-WIRE | |
| E | **125-7876** | | TUBE-SHRINKABLE (10CM) | |
| | **153-2325** | 1 | CONTROL GP-COMMUNICATION (PRODUCT LINK) | |
| | **170-7142** | 1 | HARNESS AS-CONTROL (PRODUCT LINK) | |
| | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | **7X-6222** | 1 | PLUG AS-CONNECTOR (24 PIN) | |
| | **3E-4367** | 1 | RING-RETAINING | |
| M | **3E-8558** | 1 | BOLT | |
| | **9X-3265** | 2 | SEAL-CONNECTOR | |
| | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | | (INCLUDES PLUG AS & WEDGE) | |
| | **170-9198** | 2 | PLATE | |
| | **179-0600** | 1 | MOUNTING GP-ANTENNA (PRODUCT LINK) | |
| | **180-3837** | 1 | CABLE AS | |
| | **185-7141** | 1 | FILM-WARNING | |
| | **199-9785** | 1 | WIRE AS | |

E-ORDER BY THE CENTIMETER
M-METRIC PART

# *180-5051* INSTALLATION GP-SECURITY

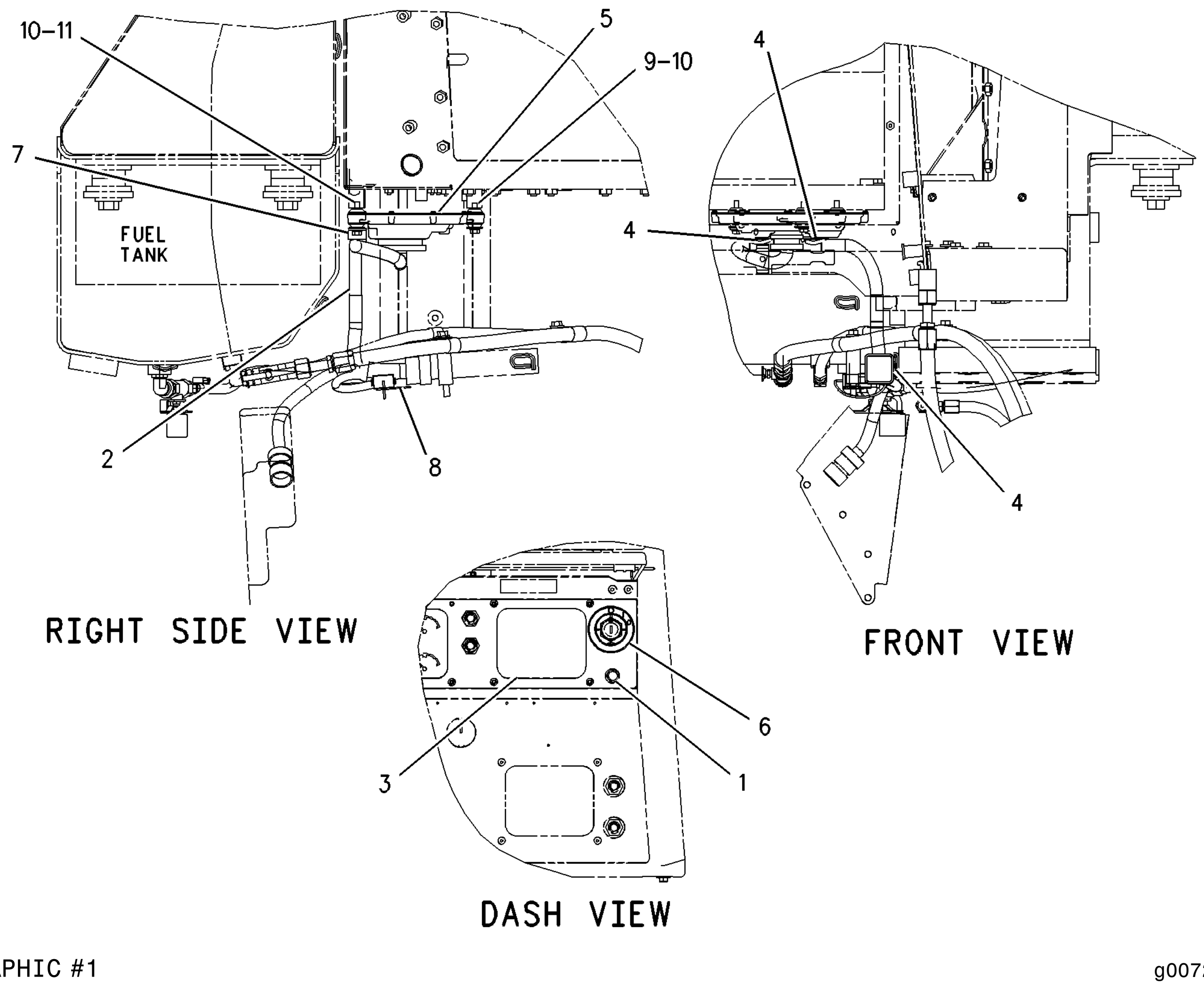
**S/N: AKA1-UP**

**PART OF 195-5236 INSTALLATION AR-SECURITY**

**SMCS-7631** **i01489110**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **165-5655** | 1 | LAMP (12 VOLT)(RED/GREEN)(LED) | |
| | | 1 | **186-3735** | 3 | PIN-CONNECTOR | |
| | 2 | 1 | **180-5052** | 1 | HARNESS AS | |
| | | 1 | **102-8801** | 1 | KIT-RECEPTACLE (12 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 3 | 1 | **192-9734** | 1 | FILM-IDENTIFICATION | |
| | 4 | 1 | **193-3973** | 3 | TIE-WRAP | |
| Y | 5 | 1 | **193-8550** | 1 | CONTROL GP-MACHINE | 214 |
| | 6 | 1 | **195-0759** | 1 | COIL AS | |
| | 7 | 1 | **195-5857** | 1 | BRACKET AS | |
| | | 1 | **189-9240** | 2 | LINK | |
| | 8 | 1 | **130-5300** | 1 | CLIP | |
| M | 9 | 1 | **7X-0818** | 1 | BOLT (M8X1.25X45MM) | |
| | 10 | 1 | **8T-4224** | 3 | WASHER-HARD (8.8X16X2MM THK) | |
| M | 11 | 1 | **8T-6912** | 2 | BOLT (M8X1.25X50MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00728838

# 3E-6389 LAMP GP-DOME

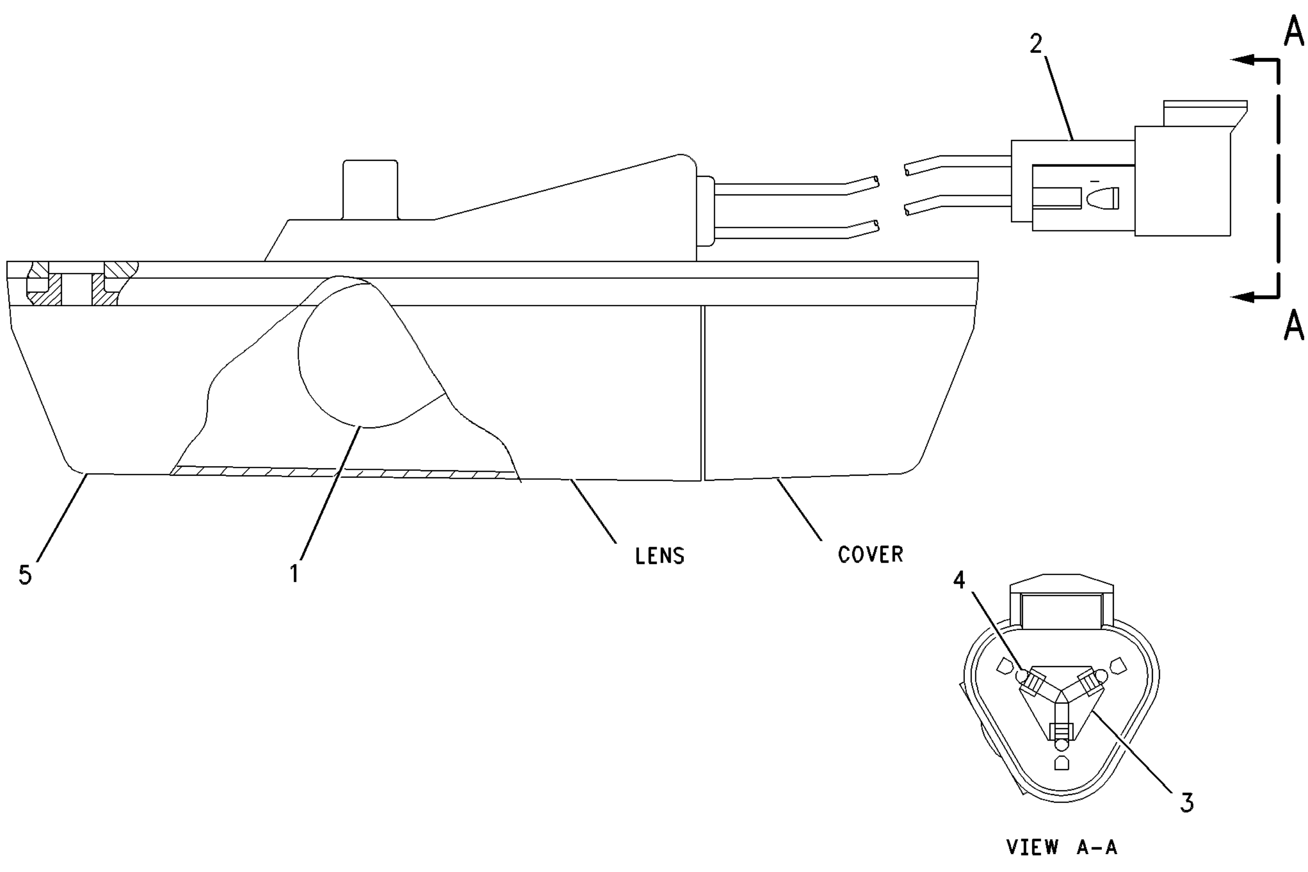
**S/N: AKA1-UP**

**24 VOLT. WITH SWITCH**

**PART OF 161-1096 LINER GP-CAB**

**SMCS-1429** **i01501995**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7N-9943** | 1 | LAMP (28 VOLT) | |
| | 2 | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | 3 | 1 | **7T-0020** | 1 | LENS-DOME LAMP | |




GRAPHIC #1

g00647928

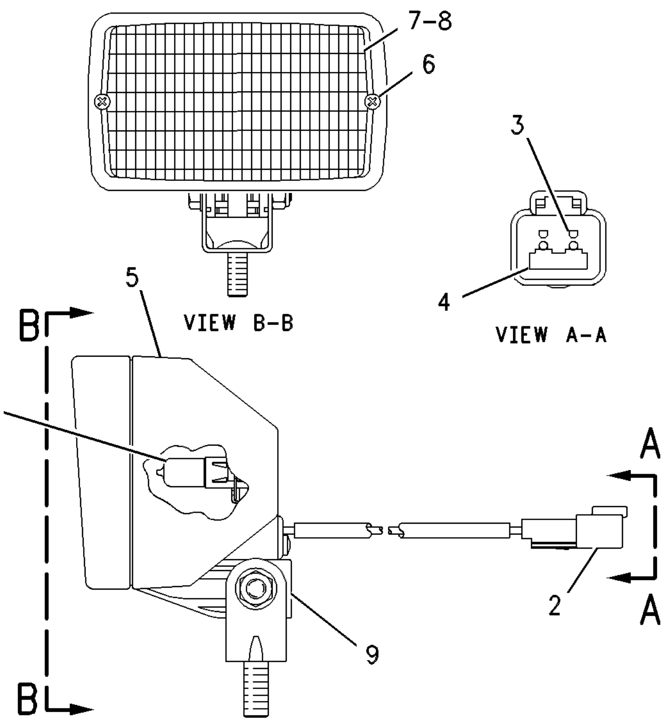
# 135-5549 LAMP GP-FLOOD

**S/N: AKA1-UP**

**PART OF 186-3718 LIGHTING GP-FLOOD**

**SMCS-1434** **i01110336**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-3463** | 1 | LAMP (24 VOLTS)(65 WATTS) | |
| | 2 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 3 | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 4 | 1 | **3E-3365** | 1 | WEDGE | |
| | 5 | 1 | **144-5744** | 1 | BODY AS | |
| | 6 | 1 | **144-5282** | 2 | SCREW | |
| | 7 | 1 | **144-5283** | 1 | SEAL | |
| | 8 | 1 | **144-5284** | 1 | LENS AS | |
| | 9 | 1 | **164-7556** | 1 | CLIP | |




GRAPHIC #1 g00533250

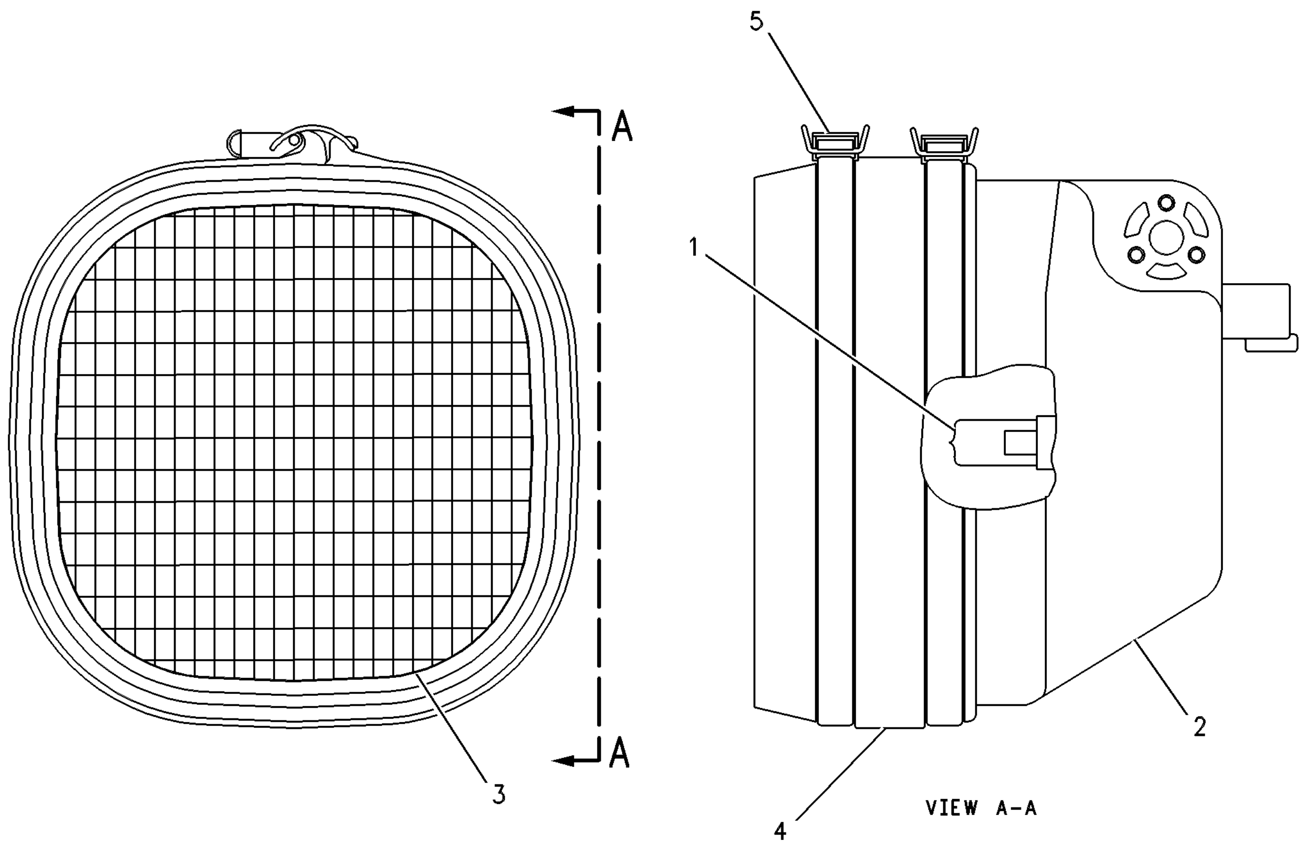
# *147-0319* LAMP GP-FLOOD

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

**PART OF 160-1058, 160-1809, 160-2710 LIGHTING AR, 152-8427, 167-1885 LIGHTING GP, 159-7590 LIGHTING GP-4 LAMP, 125-2001, 183-4652 LIGHTING GP-FLOOD**

**SMCS-1434** **i01434582**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-3463** | 1 | LAMP (24 VOLT)(65 WATT) | |
| | 2 | 1 | **158-0250** | 1 | BODY AS-LAMP | |
| | 3 | 1 | **158-0248** | 1 | LENS AS-FLOODLAMP | |
| | 4 | 1 | **158-0252** | 1 | BEZEL | |
| | 5 | 1 | **188-8849** | 2 | CLAMP | |




GRAPHIC #1 g00458549

# 153-2073 LAMP GP-FLOOD

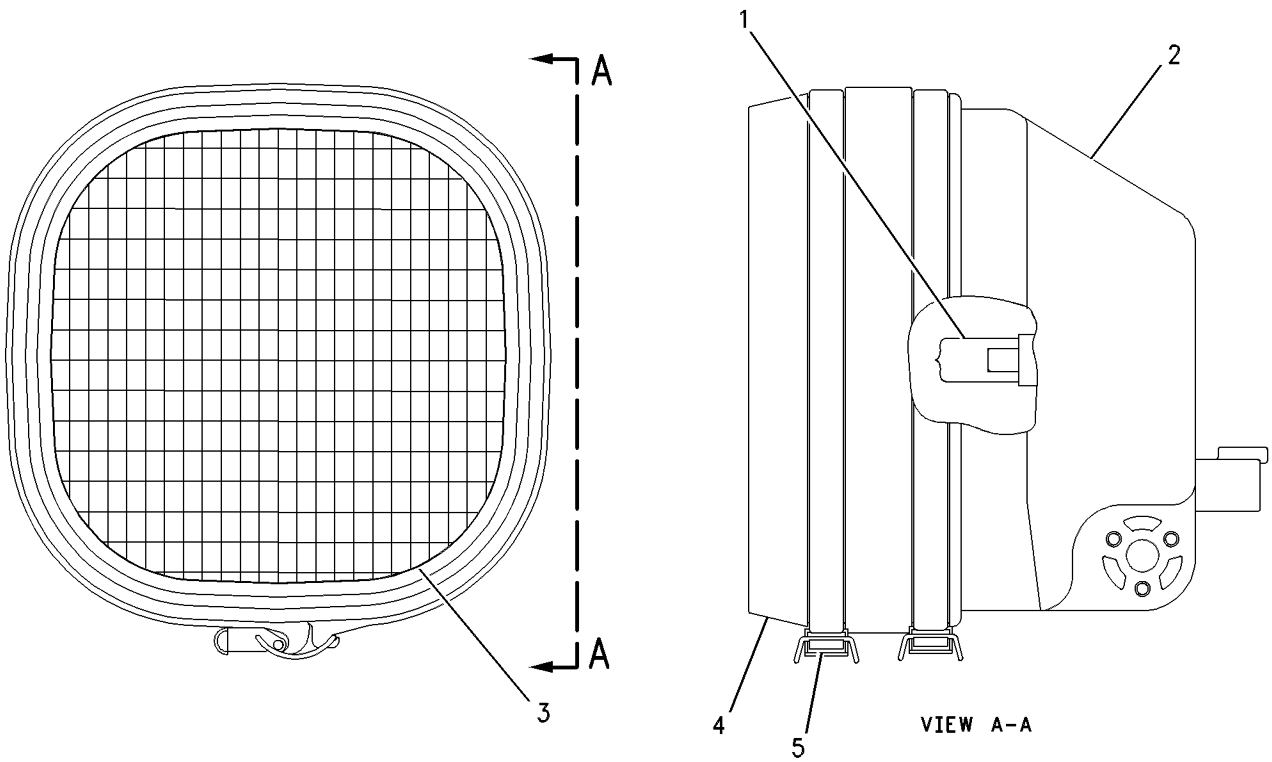
S/N: AKA1-UP

24 VOLT. VERTICAL

PART OF 160-1058 LIGHTING AR

SMCS-1434 i01447088

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-3463** | 1 | LAMP (24 VOLT)(65 WATT) (FLOOD) | |
| | 2 | 1 | **158-0250** | 1 | BODY AS-LAMP | |
| | 3 | 1 | **158-0248** | 1 | LENS AS-FLOODLAMP | |
| | 4 | 1 | **158-0252** | 1 | BEZEL | |
| | 5 | 1 | **188-8849** | 2 | CLAMP | |




GRAPHIC #1 g00449633

# MEMORANDA

# ELECTRICAL AND STARTING SYSTEM

## *160-0262* LIGHTING AR—4 LAMP

**S/N: AKA1-UP**

**CYLINDER MOUNTED**

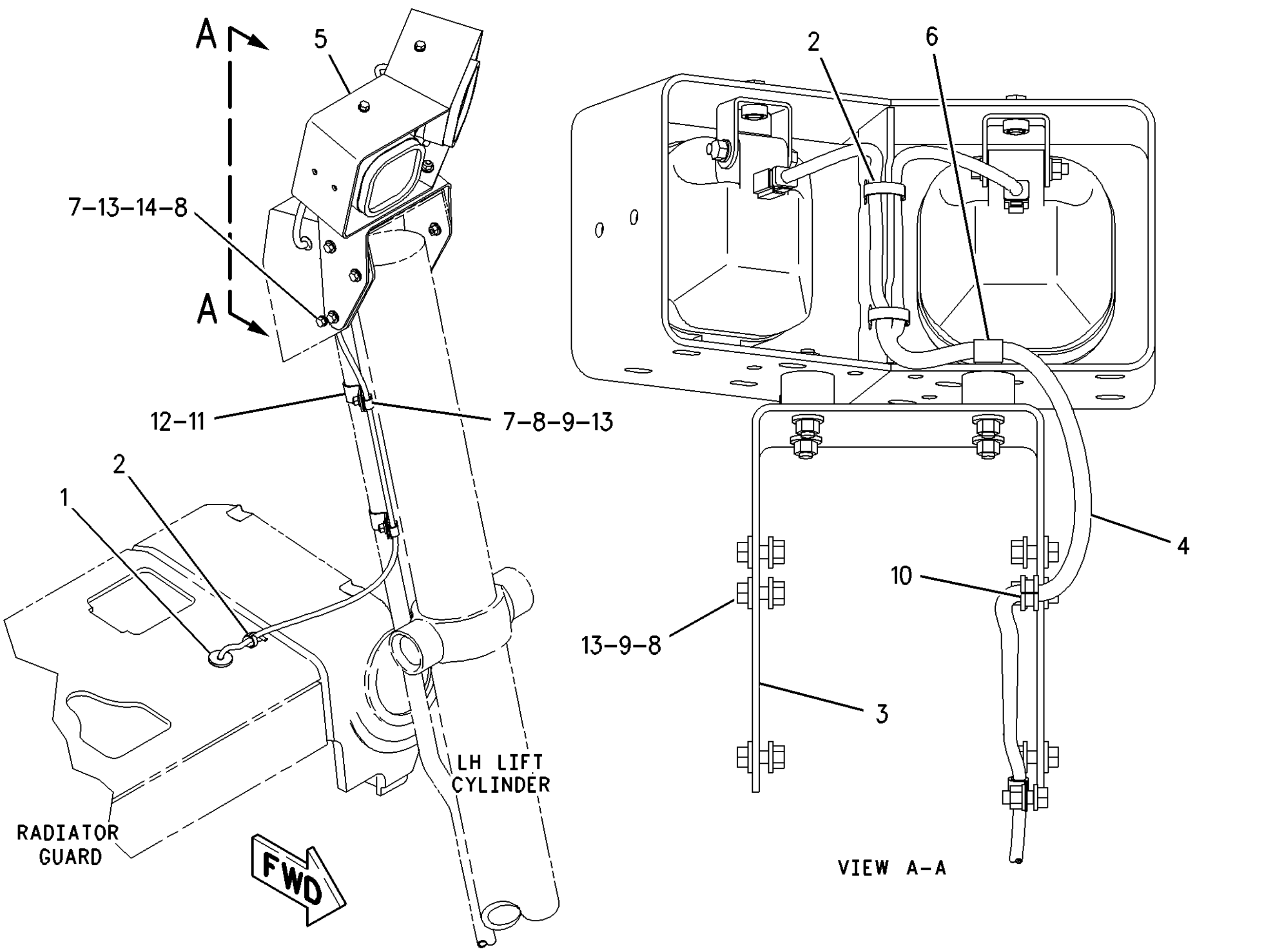
**FOR USE WITH WASTE DISPOSAL AR, CAB OR OROPS**

**SMCS-1429** **i01478859**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6S-4039** | 2 | GROMMET | |
| | 2 | 1 | **9X-6772** | 8 | STRAP-CABLE | |
| | 3 | 1 | **115-1027** | 2 | BRACKET | |
| | 4 | 1 | **160-0265** | 2 | HARNESS AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **102-8802** | 2 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (EACH INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| Y | 5 | 1 | *183-4652* | 2 | LIGHTING GP-FLOOD | 247 |
| | 6 | 1 | **147-0385** | 2 | CLIP | |
| | 7 | 1 | **4D-7794** | 6 | CLIP | |
| | 8 | 1 | **4L-6454** | 18 | BOLT (3/8-16X1 IN) | |
| | 9 | 1 | **5P-1075** | 32 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 10 | 1 | **5P-8522** | 2 | GROMMET | |
| | 11 | 1 | **6K-4934** | 4 | CLIP | |
| | 12 | 1 | **6K-4935** | 4 | BRACKET | |
| | 13 | 1 | **6V-8801** | 18 | NUT (3/8-16 THD) | |
| | 14 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

Y-SEPARATE ILLUSTRATION

*160-0262* **LIGHTING AR** ***(contd.)*** **i01478859**




GRAPHIC #1 g00764448

# ELECTRICAL AND STARTING SYSTEM

## *160-1058* LIGHTING AR

**S/N: AKA1-UP**

**RELOCATION-WITH SWEEPS**

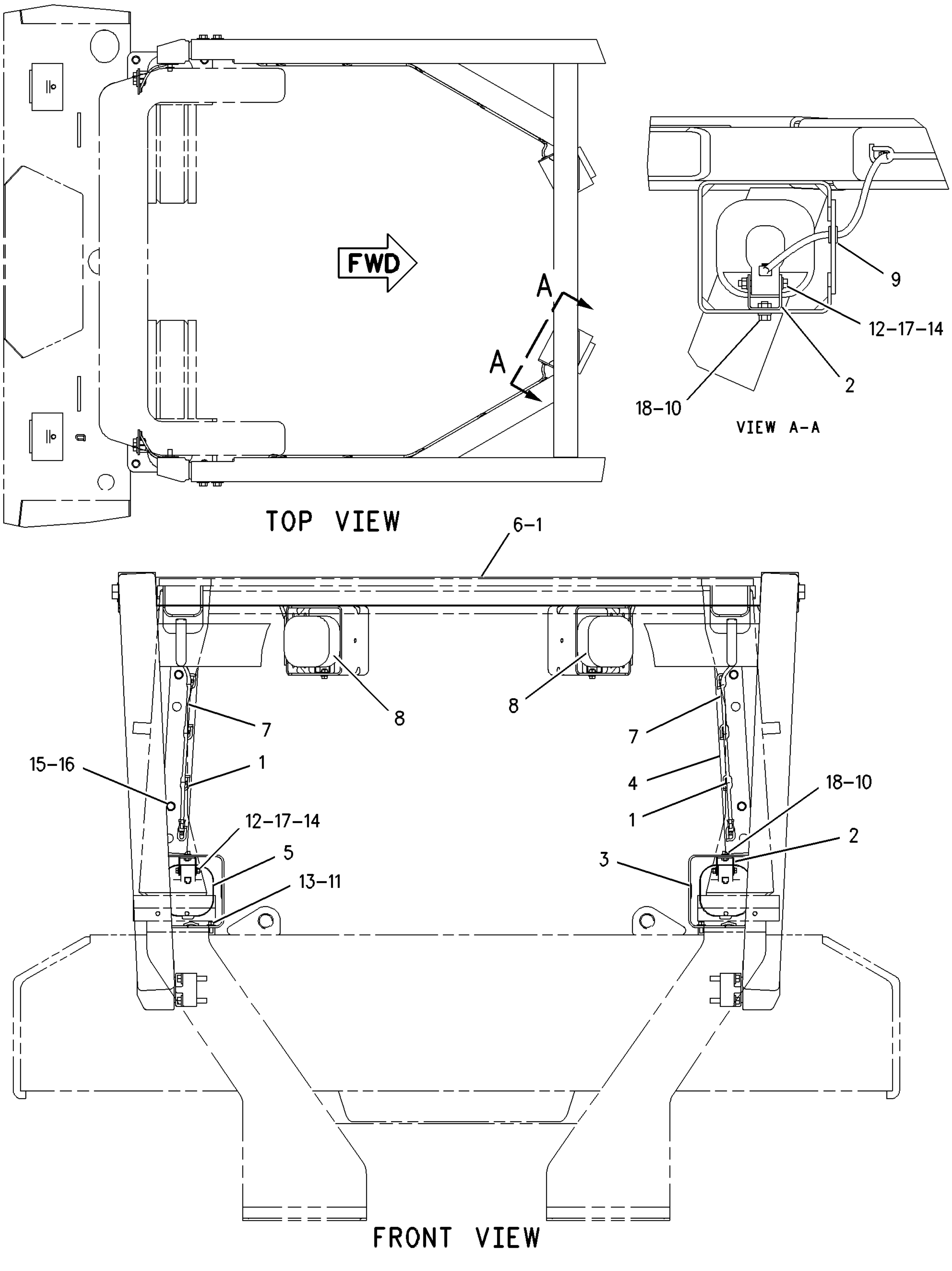
**FOR USE WITH SWEEPS & WASTE DISPOSAL AR**

**SMCS-1429** **i01488830**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-6772** | 20 | STRAP-CABLE | |
| | 2 | 1 | **111-8314** | 4 | BRACKET AS | |
| | 3 | 1 | **167-1884** | 2 | GUARD | |
| | 4 | 1 | **129-8331** | 2 | PLATE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7T-1099** | 4 | LINK | |
| Y | 5 | 1 | **147-0319** | 2 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| Y | 6 | 1 | *150-1958* | 1 | SWEEP GP | 460 |
| | 7 | 1 | **160-1061** | 2 | HARNESS AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS & WEDGE) | |
| Y | 8 | 1 | **153-2073** | 2 | LAMP GP-FLOOD (24 VOLT) | 232 |
| | 9 | 1 | **4D-1212** | 2 | GROMMET | |
| | 10 | 1 | **5M-3062** | 4 | BOLT (3/8-16X0.75 IN) | |
| | 11 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 12 | 1 | **5P-2955** | 4 | BOLT (5/16-18X2.50 IN) | |
| | 13 | 1 | **5S-7379** | 8 | BOLT (3/8-16X0.875 IN) | |
| | 14 | 1 | **6V-8189** | 4 | NUT (5/16-18 THD) | |
| | 15 | 1 | **7X-0365** | 4 | BOLT (3/4-10X1.5 IN) | |
| | 16 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |
| | 17 | 1 | **8T-4224** | 8 | WASHER-HARD (8.8X16X2MM THK) | |
| | 18 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

Y-SEPARATE ILLUSTRATION

## *160-1058* **LIGHTING AR** *(contd.)* **i01488830**




GRAPHIC #1 g00672950

## *160-1809* LIGHTING AR

S/N: AKA1-UP

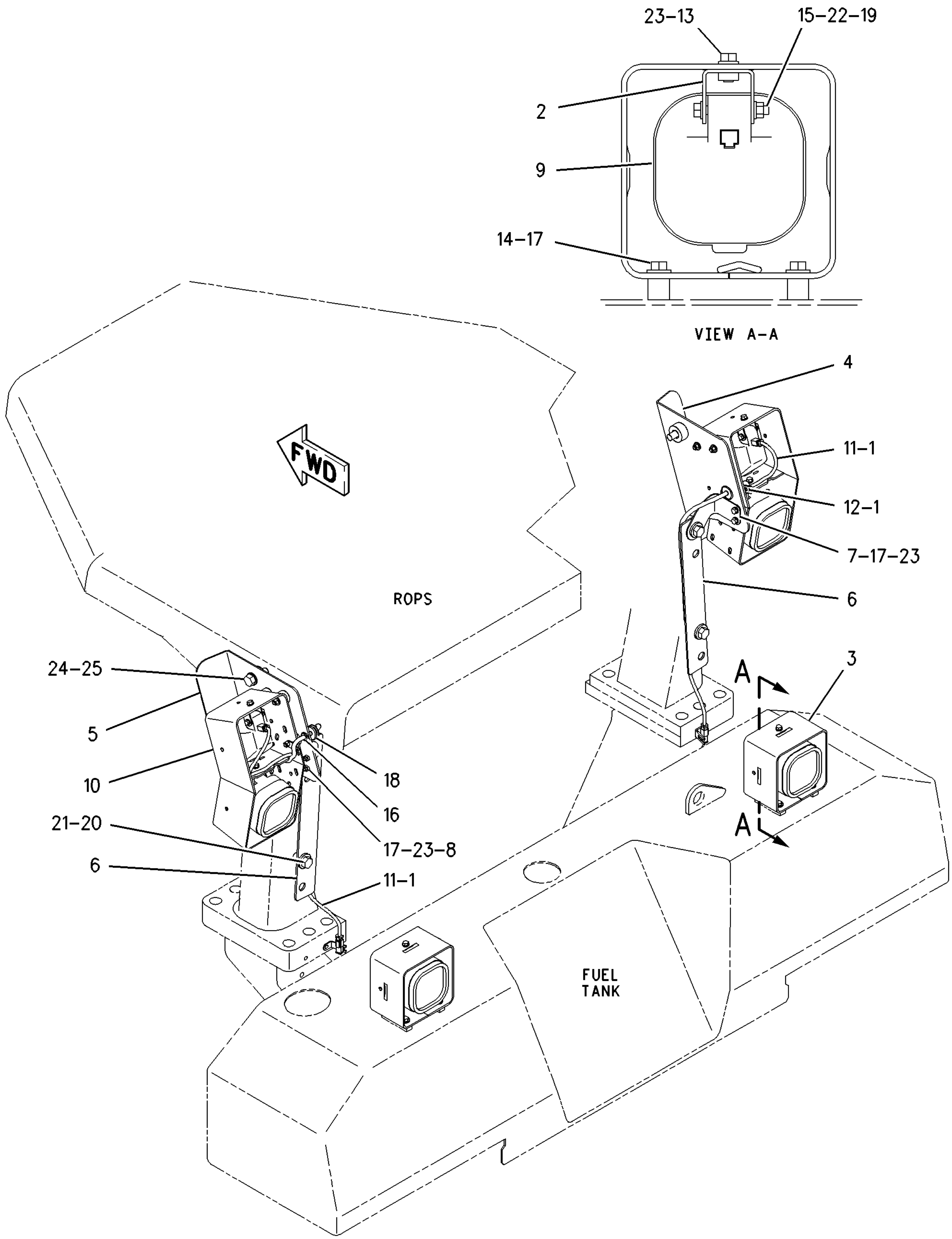
PART OF 143-7721, 199-0818 DISPOSAL AR-WASTE, 143-7740 WOODCHIP AR

SMCS-1429 i01488509

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-6772** | 12 | STRAP-CABLE | |
| | 2 | 1 | **111-8314** | 2 | BRACKET AS | |
| | 3 | 1 | **114-2368** | 2 | GUARD AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7T-1099** | 1 | LINK | |
| | 4 | 1 | **115-1024** | 1 | BRACKET AS-RH | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 5 | 1 | **115-1025** | 1 | BRACKET AS-LH | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **129-8331** | 2 | PLATE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **7T-1099** | 4 | LINK | |
| | 7 | 1 | **130-3232** | 1 | PLATE-RH | |
| | 8 | 1 | **130-3233** | 1 | PLATE-LH | |
| Y | 9 | 1 | **147-0319** | 2 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| Y | 10 | 1 | *152-8427* | 2 | LIGHTING GP | 241 |
| | 11 | 1 | **159-7615** | 2 | HARNESS AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2270** | 3 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 12 | 1 | **4P-7581** | 2 | CLIP | |
| | 13 | 1 | **5M-3062** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 14 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 15 | 1 | **5P-2955** | 2 | BOLT (5/16-18X2.50 IN) | |
| | 16 | 1 | **5P-8522** | 2 | GROMMET | |
| | 17 | 1 | **5S-7379** | 12 | BOLT (3/8-16X0.875 IN) | |
| | 18 | 1 | **6H-4005** | 2 | GROMMET | |
| | 19 | 1 | **6V-8189** | 2 | NUT (5/16-18 THD) | |
| | 20 | 1 | **7X-0365** | 4 | BOLT (3/4-10X1.5 IN) | |
| | 21 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |
| | 22 | 1 | **8T-4224** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| | 23 | 1 | **8T-4896** | 6 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 24 | 1 | **8T-4994** | 2 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 25 | 1 | **8T-9399** | 2 | BOLT (3/4-10X2.25 IN) | |

Y-SEPARATE ILLUSTRATION

*160-1809* **LIGHTING AR** ***(contd.)*** **i01488509**




GRAPHIC #1

g00764956

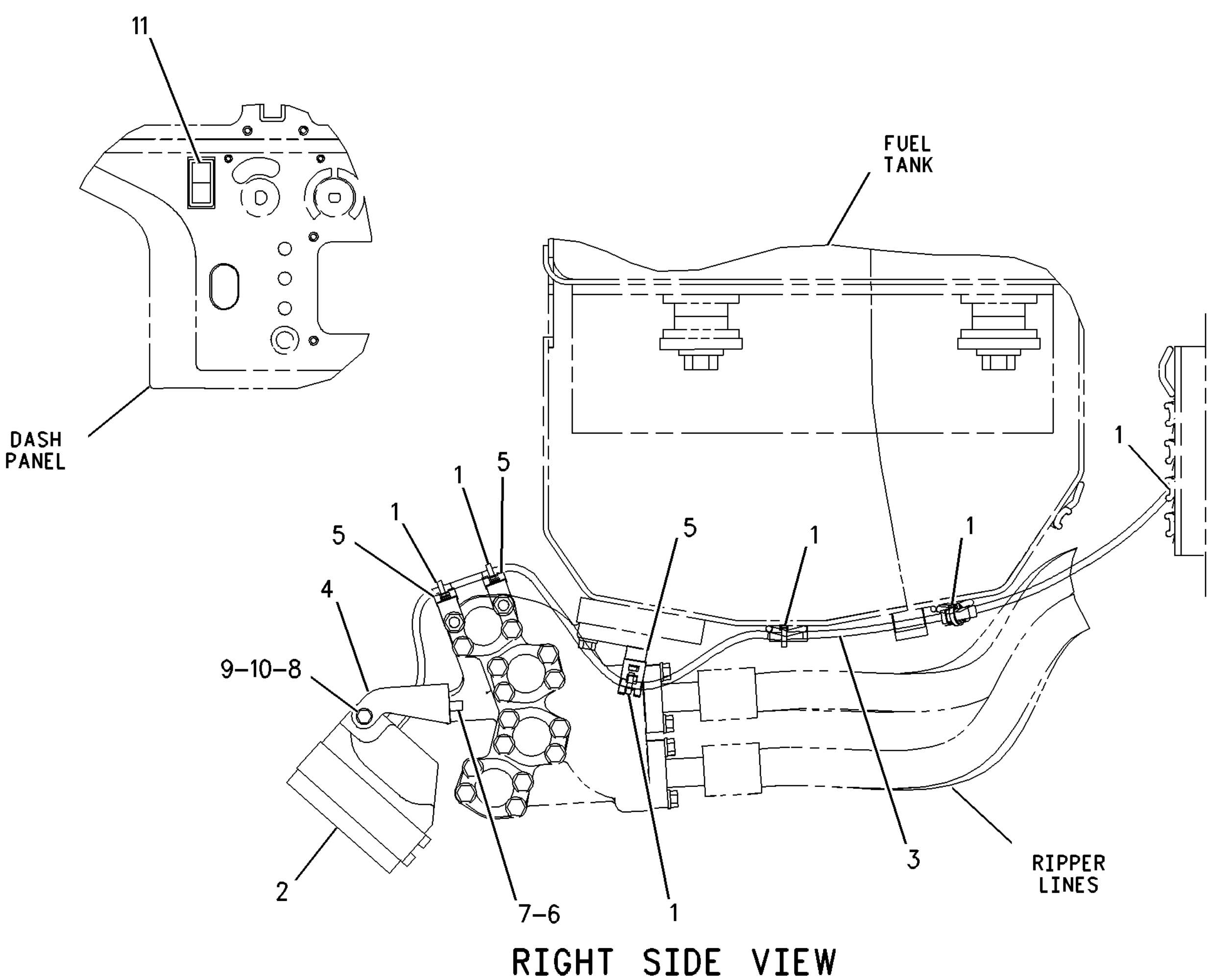
# 160-2710 LIGHTING AR—RIPPER

S/N: AKA1-UP

SMCS-1429 i01488837

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-6772** | 7 | STRAP-CABLE | |
| Y | 2 | 1 | **147-0319** | 1 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| | 3 | 1 | **160-8769** | 1 | HARNESS AS | |
| | 4 | 1 | **164-8101** | 1 | BRACKET | |
| | 5 | 1 | **4P-8134** | 3 | CLIP | |
| | 6 | 1 | **5M-3062** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 7 | 1 | **5P-1075** | 1 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 8 | 1 | **5P-2955** | 1 | BOLT (5/16-18X2.50 IN) | |
| | 9 | 1 | **6V-8189** | 1 | NUT (5/16-18 THD) | |
| | 10 | 1 | **8T-4224** | 2 | WASHER-HARD (8.8X16X2MM THK) | |
| | 11 | 1 | **3E-8857** | 1 | SWITCH AS (AIR CONDITIONING) | |
| | | 1 | **3E-8790** | 1 | ACTUATOR-ROCKER | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00753172

# *152-8427* LIGHTING GP

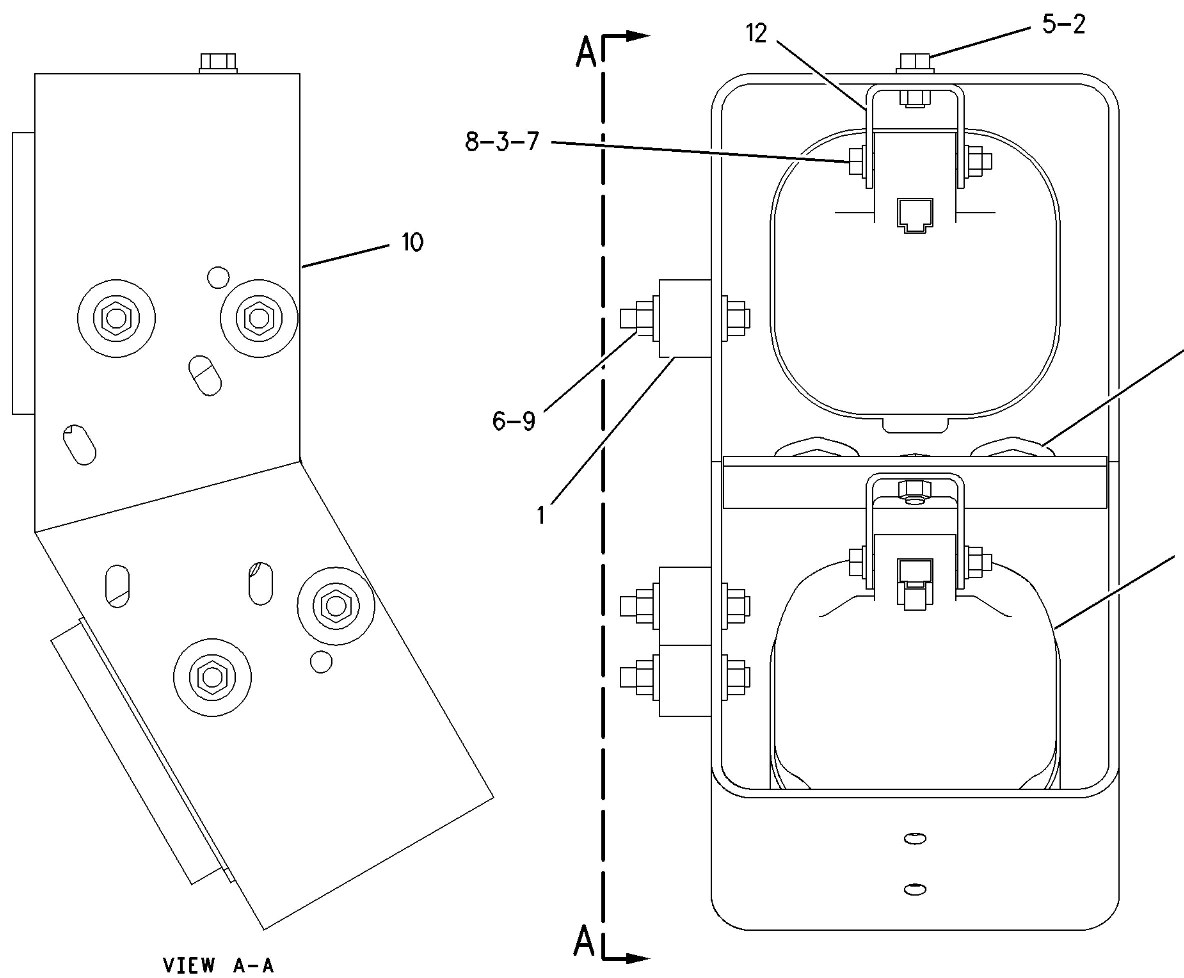
**S/N: AKA1-UP**

**PART OF 160-1809 LIGHTING AR**

**SMCS-1429** **i01223537**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-4361** | 4 | MOUNT | |
| | 2 | 1 | **8T-4896** | 2 | WASHER-HARD (2.5MM THK) | |
| | 3 | 1 | **8T-4224** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| Y | 4 | 1 | **147-0319** | 2 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| | 5 | 1 | **5M-3062** | 2 | BOLT (3/8-16X.75IN) | |
| | 6 | 1 | **5P-1075** | 8 | WASHER-HARD (3MM THK) | |
| | 7 | 1 | **5P-2955** | 2 | BOLT (5/16-18X2.50IN) | |
| | 8 | 1 | **6V-8189** | 2 | NUT (5/16-18 THD) | |
| | 9 | 1 | **6V-8801** | 8 | NUT (3/8-16 THD) | |
| | 10 | 1 | **114-9363** | 1 | GUARD AS | |
| | 11 | 1 | **7T-1099** | 2 | LINK | |
| | 12 | 1 | **111-8314** | 2 | BRACKET AS | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00651682

## *167-1885* LIGHTING GP

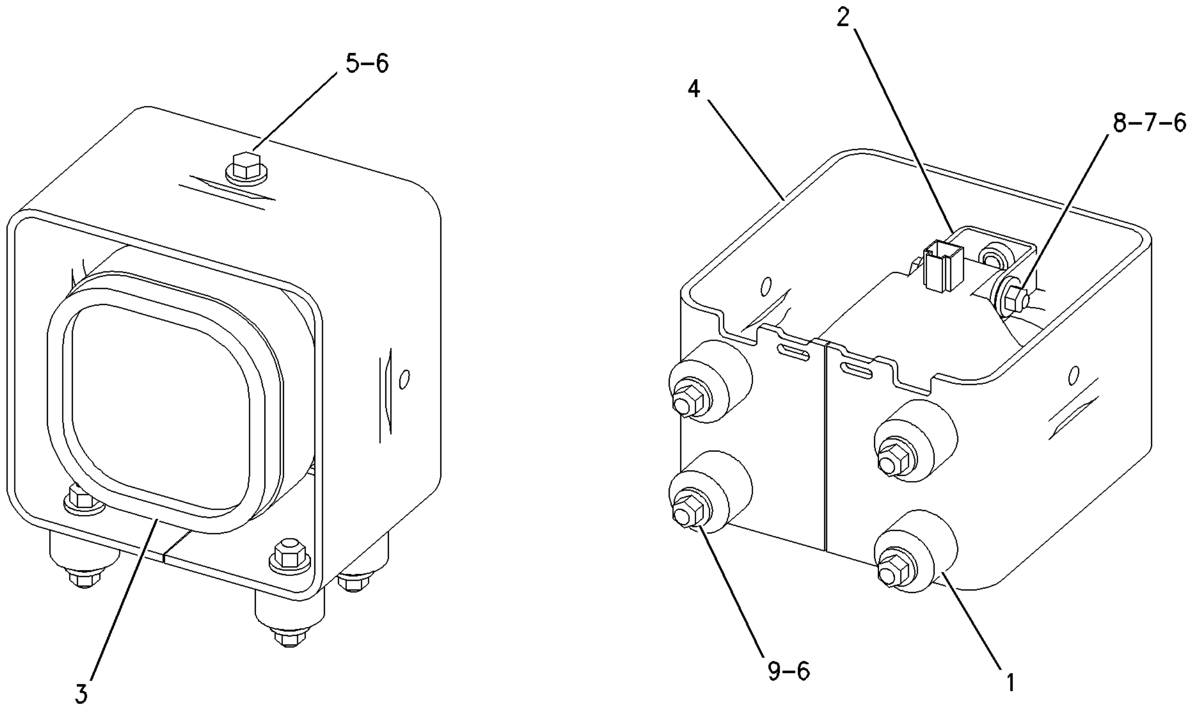
**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

**PART OF 159-7590 LIGHTING GP-4 LAMP, 159-0068 LIGHTING GP-FRONT**

**SMCS-1429** **i01434600**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-4361** | 4 | MOUNT | |
| | 2 | 1 | **111-8314** | 1 | BRACKET AS | |
| Y | 3 | 1 | **147-0319** | 1 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| | 4 | 1 | **167-1884** | 1 | GUARD | |
| | 5 | 1 | **5M-3062** | 1 | BOLT (3/8-16X0.75 IN) | |
| | 6 | 1 | **5P-1075** | 11 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 7 | 1 | **5P-2955** | 1 | BOLT (5/16-18X2.50 IN) | |
| | 8 | 1 | **6V-8189** | 1 | NUT (5/16-18 THD) | |
| | 9 | 1 | **6V-8801** | 8 | NUT (3/8-16 THD) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00726610

# MEMORANDA

# ELECTRICAL AND STARTING SYSTEM

## *159-7590* LIGHTING GP-4 LAMP

**S/N: AKA1-UP**

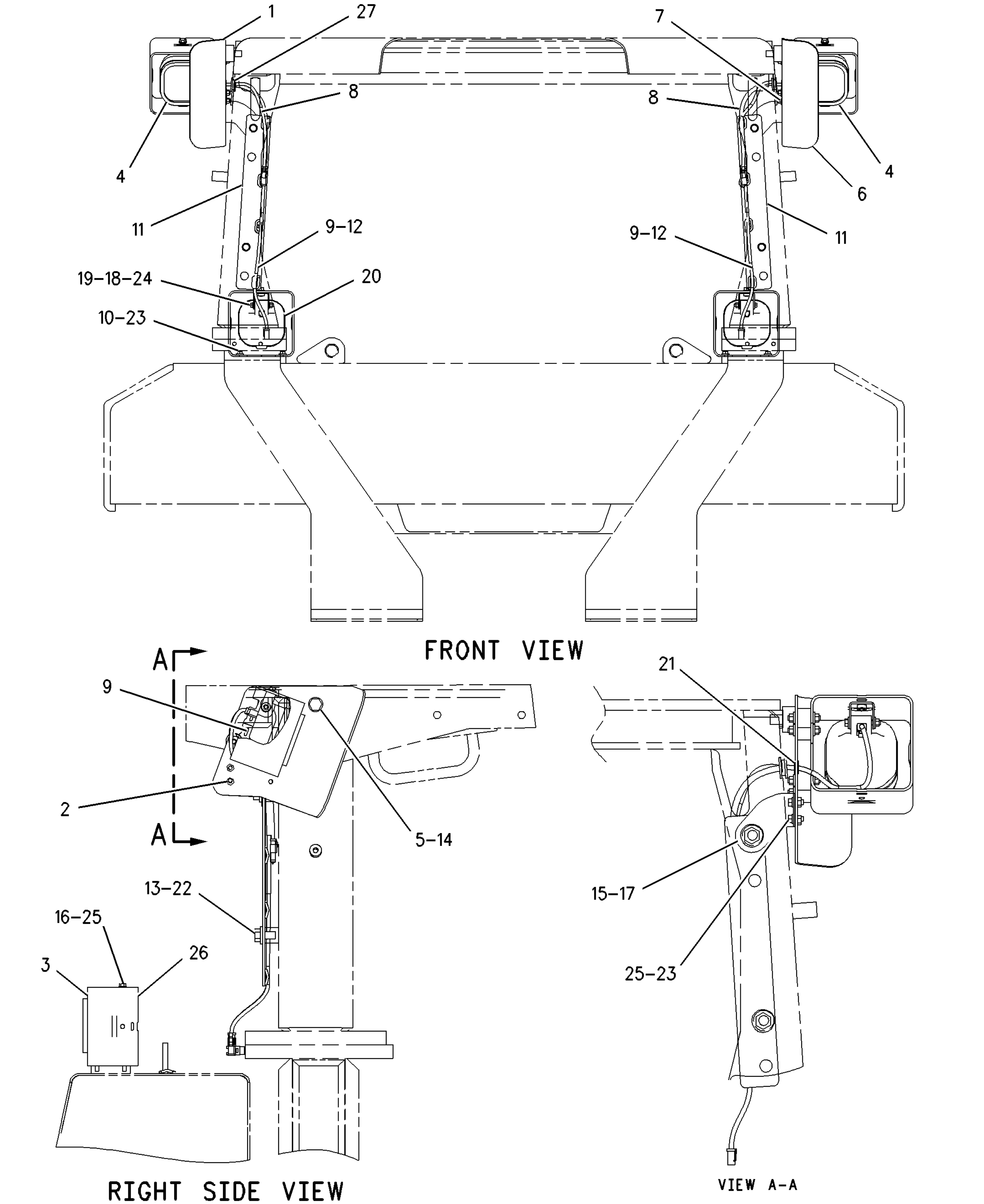
**PART OF 157-0819 CHASSIS AR**

**SMCS-1429** **i01486704**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **115-1024** | 1 | BRACKET AS-RH | |
| | 2 | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **167-1884** | 2 | GUARD | |
| Y | 4 | 1 | *167-1885* | 2 | LIGHTING GP | 242 |
| | 5 | 1 | **8T-4994** | 2 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 6 | 1 | **115-1025** | 1 | BRACKET AS-LH | |
| | 7 | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 8 | 1 | **159-7615** | 2 | HARNESS AS | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **9G-3695** | 2 | PLUG (GROMMET SEALING) | |
| | | 1 | **155-2270** | 3 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 9 | 1 | **9X-6772** | 10 | STRAP-CABLE | |
| | 10 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 11 | 1 | **129-8331** | 2 | PLATE AS | |
| | | | | | (EACH INCLUDES) | |
| | 12 | 1 | **7T-1099** | 4 | LINK | |
| | 13 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |
| | 14 | 1 | **8T-9399** | 2 | BOLT (3/4-10X2.25 IN) | |
| | 15 | 1 | **130-3233** | 1 | PLATE-LH | |
| | 16 | 1 | **5M-3062** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 17 | 1 | **130-3232** | 1 | PLATE-RH | |
| | 18 | 1 | **5P-2955** | 2 | BOLT (5/16-18X2.50 IN) | |
| | 19 | 1 | **6V-8189** | 2 | NUT (5/16-18 THD) | |
| Y | 20 | 1 | **147-0319** | 2 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| | 21 | 1 | **8P-8540** | 2 | GROMMET | |
| | 22 | 1 | **7X-0365** | 4 | BOLT (3/4-10X1.5 IN) | |
| | 23 | 1 | **5S-7379** | 12 | BOLT (3/8-16X0.875 IN) | |
| | 24 | 1 | **8T-4224** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| | 25 | 1 | **8T-4896** | 6 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 26 | 1 | **111-8314** | 2 | BRACKET AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 27 | 1 | **6H-4005** | 2 | GROMMET | |

Y-SEPARATE ILLUSTRATION

*159-7590* **LIGHTING GP-4 LAMP** ***(contd.)*** **i01486704**




GRAPHIC #1

g00763625

# *125-2001* LIGHTING GP-FLOOD

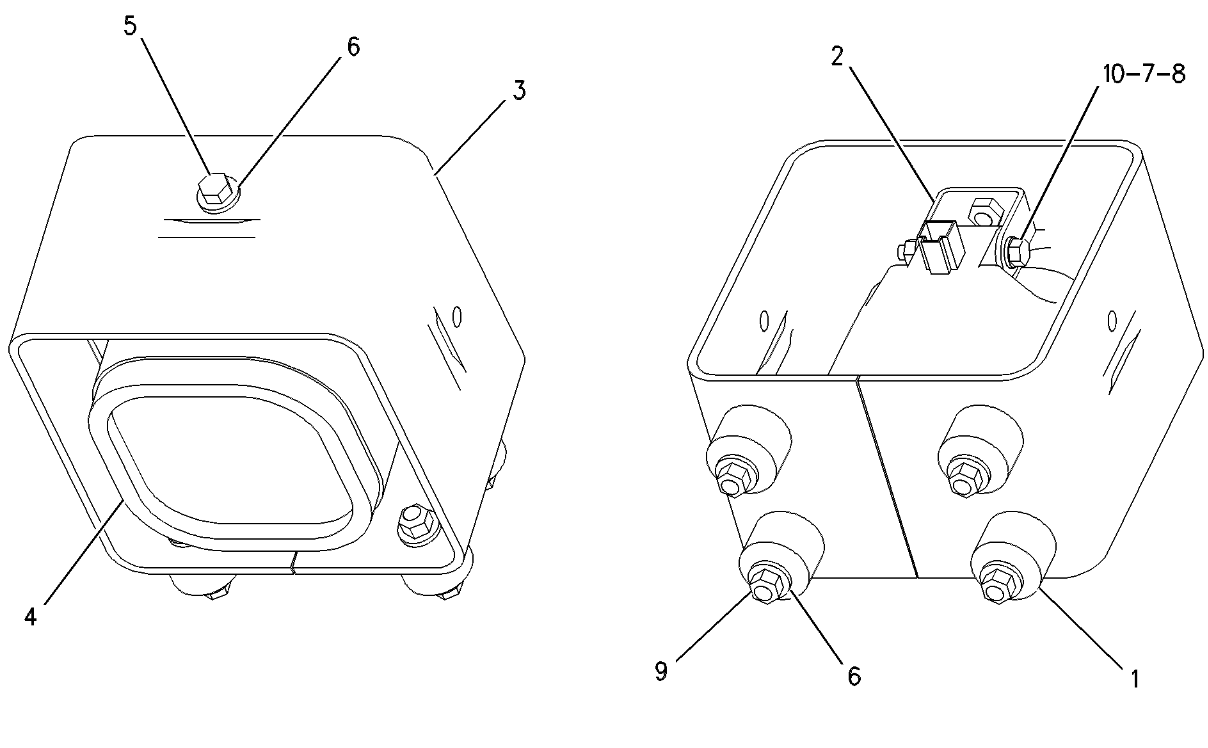
**S/N: AKA1-UP**

**PART OF 102-4395 LIGHTING GP-FRONT**

**SMCS-1429** **i01011450**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-4361** | 4 | MOUNT | |
| | 2 | 1 | **111-8314** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **114-2368** | 1 | GUARD AS | |
| | | 1 | **7T-1099** | 1 | LINK | |
| Y | 4 | 1 | **147-0319** | 1 | LAMP GP-FLOOD | 231 |
| | 5 | 1 | **5M-3062** | 1 | BOLT (3/8-16X.75IN) | |
| | 6 | 1 | **5P-1075** | 9 | WASHER-HARD (3MM THK) | |
| | 7 | 1 | **5P-2955** | 1 | BOLT (5/16-18X2.50IN) | |
| | 8 | 1 | **6V-8189** | 1 | NUT (5/16-18 THD) | |
| | 9 | 1 | **6V-8801** | 8 | NUT (3/8-16 THD) | |
| | 10 | 1 | **8T-4224** | 2 | WASHER-HARD (2MM THK) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00546282

## *183-4652* LIGHTING GP-FLOOD

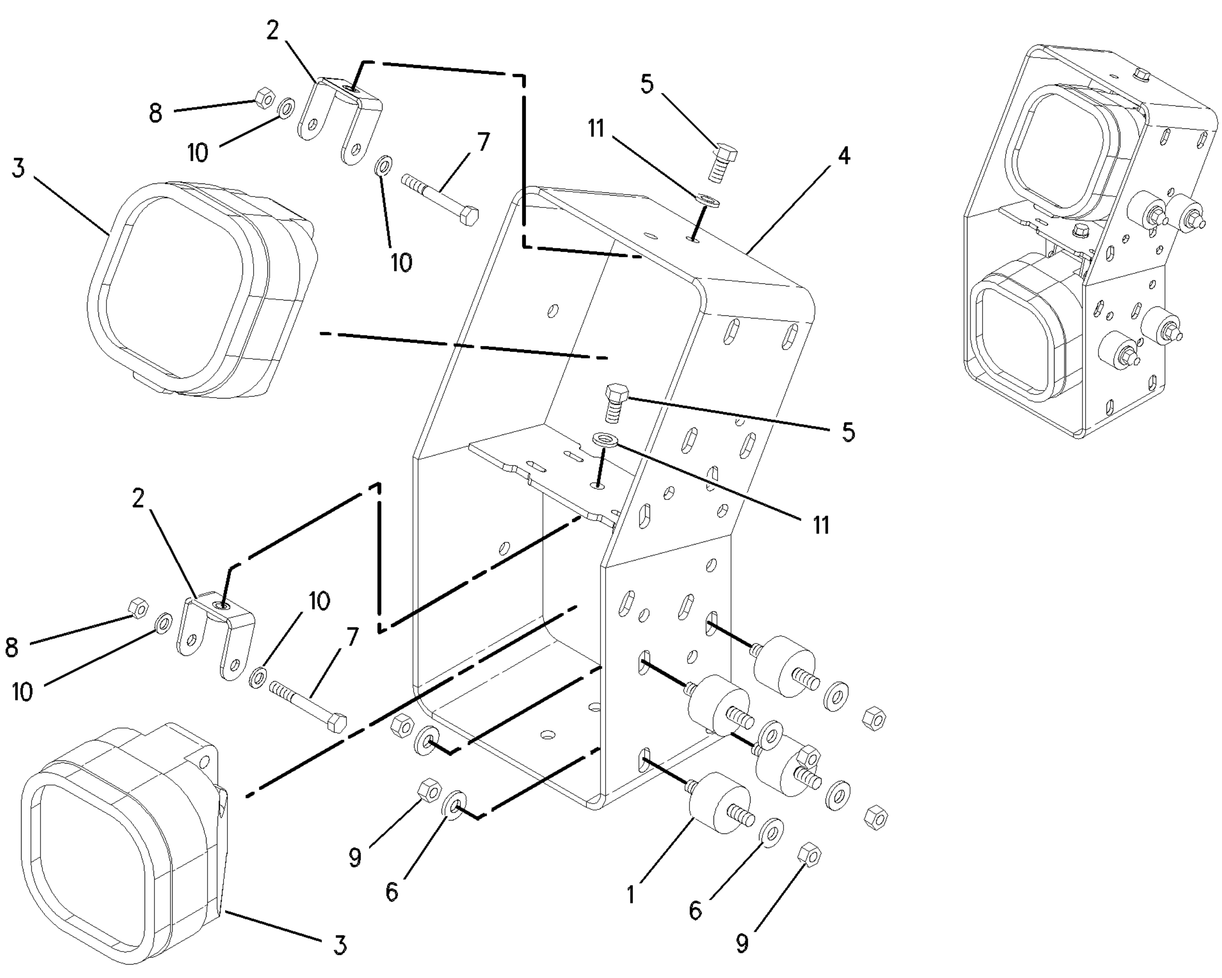
**S/N: AKA1-UP**

**PART OF 160-0262 LIGHTING AR**

**SMCS-1429** **i01478880**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-4361** | 4 | MOUNT | |
| | 2 | 1 | **111-8314** | 2 | BRACKET AS | |
| Y | 3 | 1 | **147-0319** | 2 | LAMP GP-FLOOD (24 VOLT)(SUSPENDED) | 231 |
| | 4 | 1 | **183-4503** | 1 | GUARD AS | |
| | 5 | 1 | **5M-3062** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 6 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 7 | 1 | **5P-2955** | 2 | BOLT (5/16-18X2.50 IN) | |
| | 8 | 1 | **6V-8189** | 2 | NUT (5/16-18 THD) | |
| | 9 | 1 | **6V-8801** | 8 | NUT (3/8-16 THD) | |
| | 10 | 1 | **8T-4224** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| | 11 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00645895

# *186-3718* LIGHTING GP-FLOOD

**S/N: AKA1-UP**

**2 LAMP**

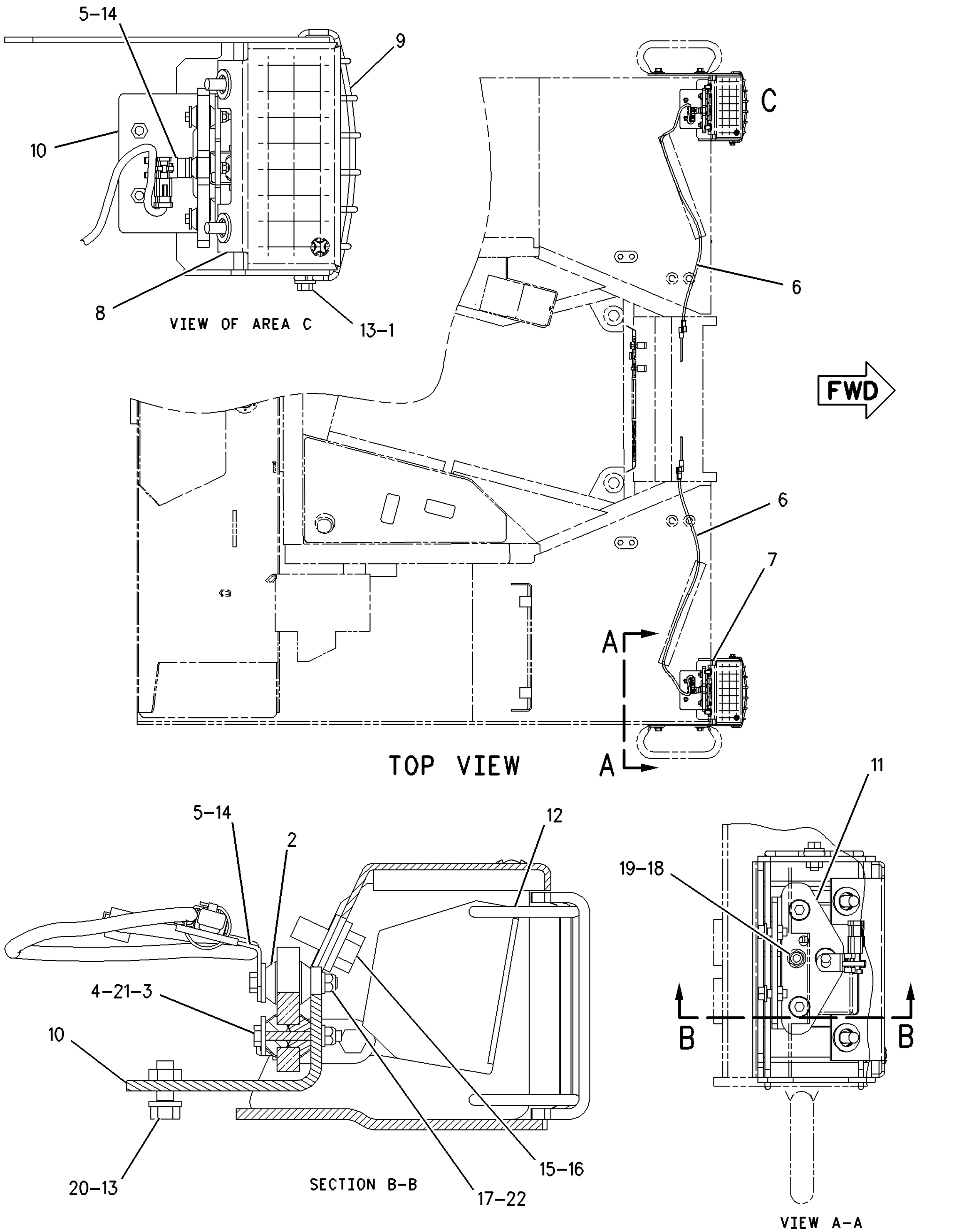
**SMCS-1429** **i01489068**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 2 | 1 | **8C-5607** | 12 | MOUNT (ISOLATION) | |
| | 3 | 1 | **8C-5608** | 6 | SPACER (6.5X9.5X25.4MM THK) | |
| | 4 | 1 | **9X-6165** | 6 | WASHER (6.5X22X2.5MM THK) | |
| | 5 | 1 | **9X-6772** | 2 | STRAP-CABLE | |
| | 6 | 1 | **132-6545** | 2 | HARNESS AS (SIDE LIGHTS) | |
| | 7 | 1 | **134-2804** | 1 | BRACKET AS-RH | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6V-2360** | 2 | WASHER-HARD (20X32X3MM THK) | |
| | 8 | 1 | **134-2805** | 1 | BRACKET AS-LH | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **6V-2360** | 2 | WASHER-HARD (20X32X3MM THK) | |
| | 9 | 1 | **134-2967** | 2 | GUARD | |
| | 10 | 1 | **134-4447** | 2 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 11 | 1 | **134-4492** | 2 | PLATE | |
| Y | 12 | 1 | **135-5549** | 2 | LAMP GP-FLOOD (24 VOLT)(VERTICAL) | 230 |
| | 13 | 1 | **4L-6454** | 6 | BOLT (3/8-16X1 IN) | |
| | 14 | 1 | **4P-8134** | 2 | CLIP | |
| | 15 | 1 | **5C-6565** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 16 | 1 | **5P-1076** | 4 | WASHER-HARD (13.5X30X4MM THK) | |
| M | 17 | 1 | **6V-7743** | 6 | LOCKNUT | |
| M | 18 | 1 | **6V-7744** | 2 | LOCKNUT (M10X1.5 THD) | |
| | 19 | 1 | **8T-4121** | 2 | WASHER-HARD (11X21X2.5MM THK) | |
| | 20 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| M | 21 | 1 | **9X-2480** | 6 | BOLT (M6X1.0X45MM) | |
| | 22 | 1 | **9X-8256** | 6 | WASHER (6.6X12X2MM THK) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

# ELECTRICAL AND STARTING SYSTEM

*186-3718* **LIGHTING GP-FLOOD** ***(contd.)*** **i01489068**




GRAPHIC #1

g00680386

# *102-4395* LIGHTING GP-FRONT

**S/N: AKA1-UP**

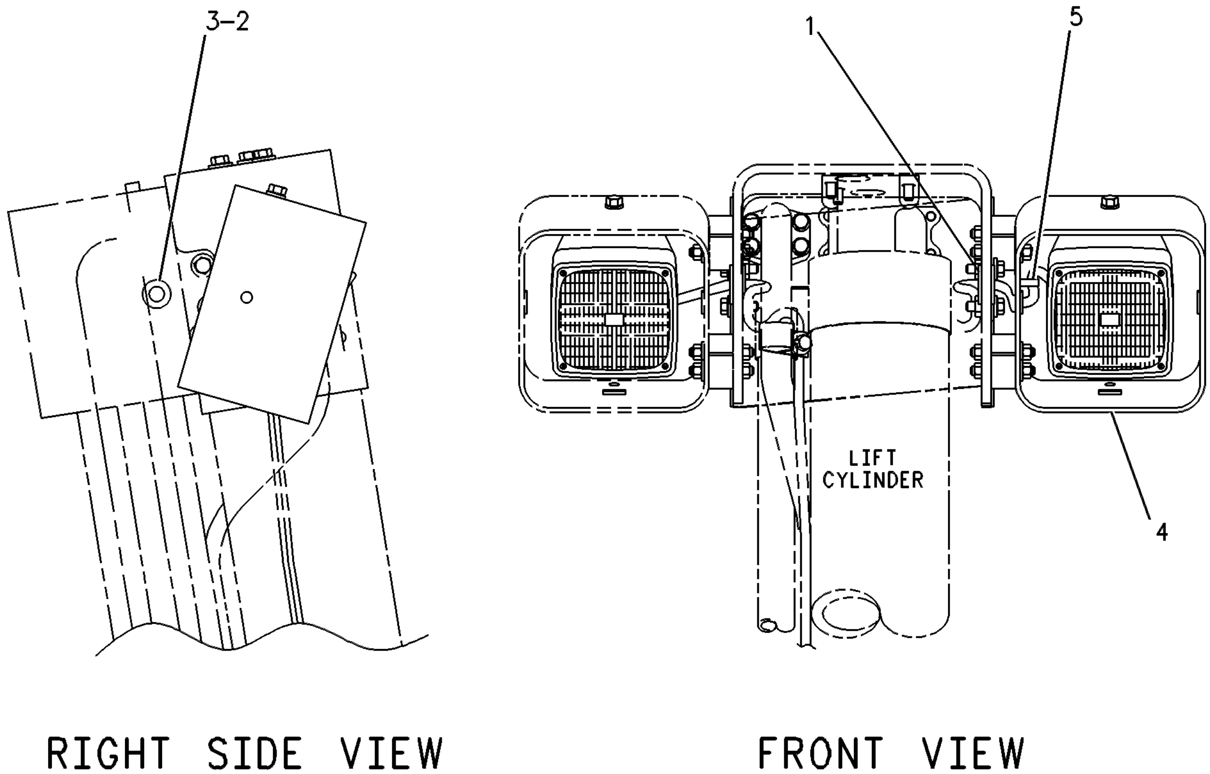
**2 LAMP**

**FOR USE WITH BULLDOZER LIFT CYLINDERS**

**SMCS-1429** **i01441090**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5P-8522** | 2 | GROMMET | |
| | | | | | (FOR USE ON D10R, D11R, & D11R CARRY DOZER) | |
| | 2 | 1 | **9D-3768** | 2 | GROMMET (14.29MM ID) (14.29MM ID) | |
| | | | | | (FOR USE ON D9R) | |
| | 3 | 1 | **5P-8522** | 2 | GROMMET (9.5MM ID) | |
| | | | | | (FOR USE ON D8R) | |
| YC | 4 | 1 | *125-2001* | 2 | LIGHTING GP-FLOOD | 246 |
| | 5 | 1 | **9X-6772** | 2 | STRAP-CABLE | |

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00453511

# MEMORANDA

# *159-0068* LIGHTING GP-FRONT

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

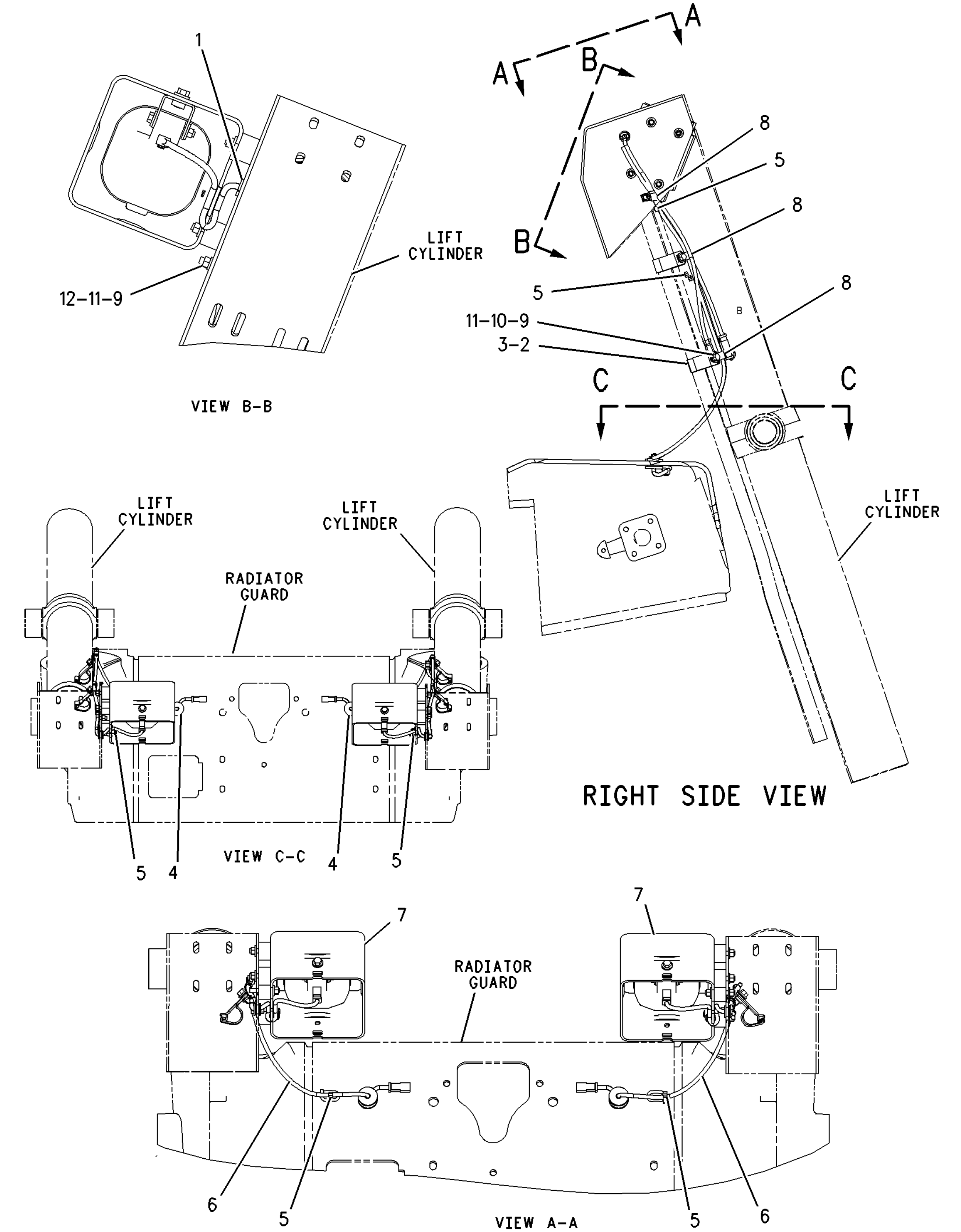
**PART OF 159-8377 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-1429** **i01446520**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5P-8522** | 2 | GROMMET | |
| | 2 | 1 | **6K-4934** | 4 | CLIP | |
| | 3 | 1 | **6K-4935** | 4 | BRACKET | |
| | 4 | 1 | **6S-4039** | 2 | GROMMET | |
| | 5 | 1 | **9X-6772** | 8 | STRAP-CABLE | |
| | 6 | 1 | **151-4854** | 2 | HARNESS AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS, WEDGE & SEAL INTERFACE) | |
| | | 1 | **102-8802** | 2 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (EACH INCLUDES RECEPTACLE AS & WEDGE) | |
| Y | 7 | 1 | *167-1885* | 2 | LIGHTING GP | 242 |
| | 8 | 1 | **4D-7794** | 6 | CLIP | |
| | 9 | 1 | **4L-6454** | 6 | BOLT (3/8-16X1 IN) | |
| | 10 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 11 | 1 | **6V-8801** | 6 | NUT (3/8-16 THD) | |
| | 12 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

Y-SEPARATE ILLUSTRATION

*159-0068* **LIGHTING GP-FRONT** ***(contd.)*** **i01446520**




GRAPHIC #1 g00758871

# 168-0369 MODULE GP-DISPLAY

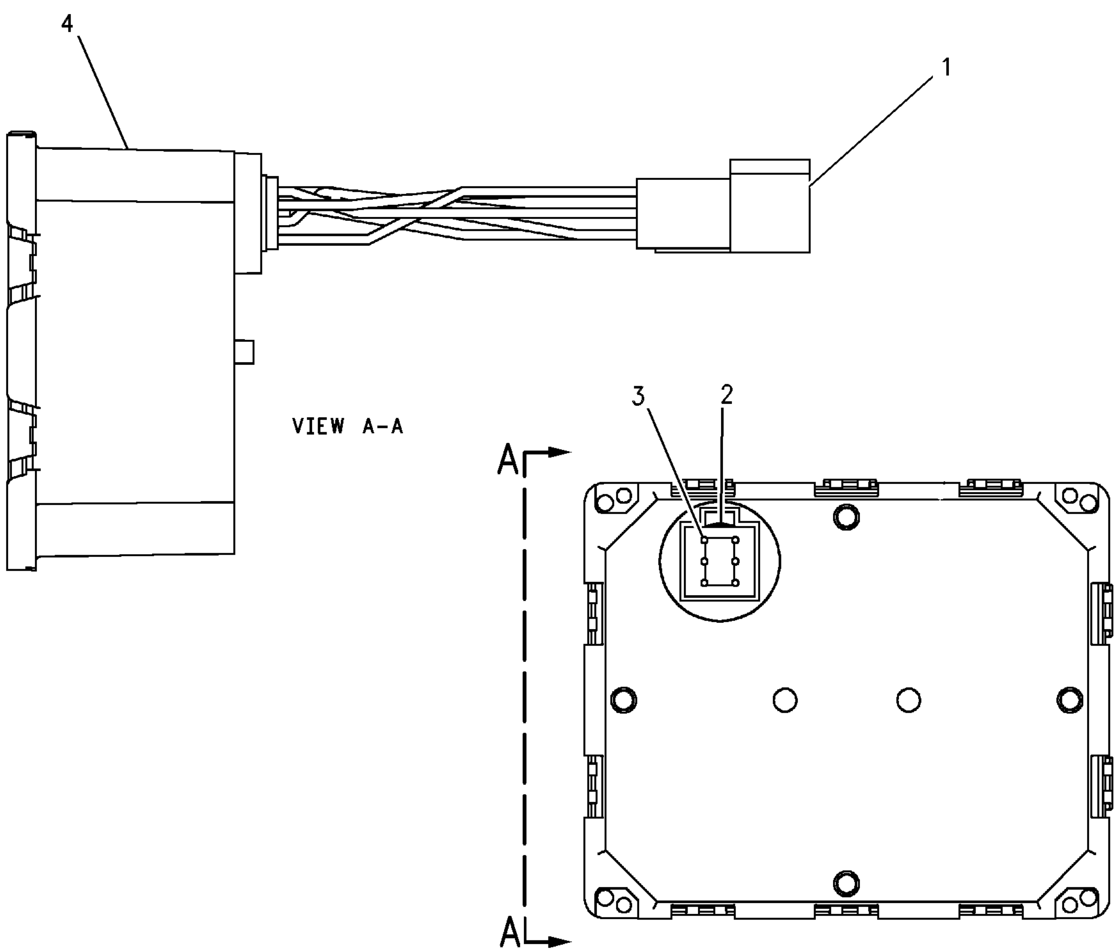
**S/N: AKA1-UP**

**DISPLAYS THE GEAR, RPM & WARNING INDICATORS**

**PART OF 156-1667 INSTRUMENT GP, 156-0244 INSTRUMENT GP-CAB**

**SMCS-7490** **i01434433**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 2 | 1 | **3E-3383** | 1 | WEDGE-RECEPTACLE LOCK | |
| | 3 | 1 | **8T-8729** | 6 | PIN-CONNECTOR | |
| | 4 | 1 | **179-6874** | 1 | CONTROL AS-ELECTRONIC | |




GRAPHIC #1

g00638395

# MEMORANDA

## 175-7017 PANEL GP-RELAY

**S/N: AKA1-UP**

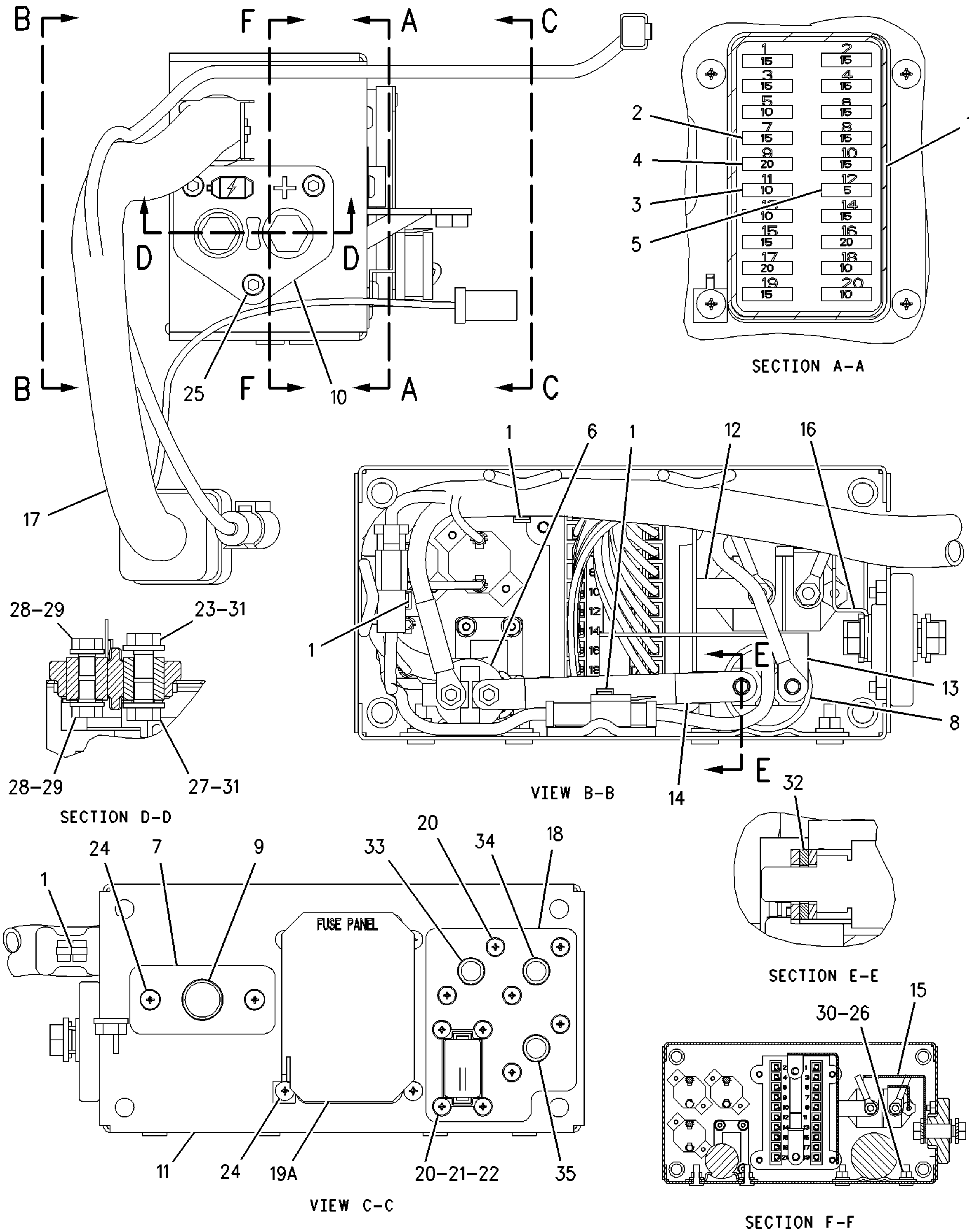
**PART OF 159-9264 WIRING GP-PLATFORM**

**SMCS-1422** **i01498042**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7K-1181** | 6 | STRAP-CABLE | |
| | 2 | 1 | **9W-1441** | 11 | FUSE (15 AMP) | |
| | 3 | 1 | **9W-1442** | 5 | FUSE (10 AMP) | |
| | 4 | 1 | **9W-1446** | 3 | FUSE (20 AMP) | |
| | 5 | 1 | **107-0799** | 1 | FUSE (5 AMP) | |
| | 6 | 1 | **125-1302** | 1 | SWITCH GP-MAGNETIC | |
| | 7 | 1 | **159-4698** | 1 | FILM-IDENTIFICATION | |
| Y | 8 | 1 | **167-0138** | 1 | SWITCH GP-MAGNETIC | 285 |
| | 9 | 1 | **171-2213** | 1 | CIRCUIT BREAKER AS (135 AMP) | |
| | | 1 | **1H-3244** | 2 | LOCKWASHER | |
| | | 1 | **6V-8187** | 2 | NUT (1/4-28 THD) | |
| | | 1 | **8T-4205** | 2 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 10 | 1 | **172-4863** | 1 | JUNCTION BLOCK | |
| | 11 | 1 | **175-7018** | 1 | PANEL AS | |
| | | 1 | **5D-9629** | 1 | ROD | |
| M | | 1 | **6V-9632** | 3 | NUT-WELD (M6X1 THD) | |
| | | 1 | **7T-1099** | 3 | LINK | |
| | 12 | 1 | **175-7020** | 1 | STRAP | |
| | 13 | 1 | **175-7021** | 1 | STRAP | |
| | 14 | 1 | **175-7022** | 1 | STRAP | |
| | 15 | 1 | **175-7023** | 1 | STRIP | |
| | 16 | 1 | **175-7024** | 1 | STRAP | |
| | 17 | 1 | **175-7025** | 1 | HARNESS AS | |
| | 18 | 1 | **175-7026** | 1 | FILM-INSTRUCTION | |
| | 19 | 1 | **190-1030** | 1 | BLOCK AS-FUSE (20 POLE) | |
| | 20 | 1 | **068-4209** | 10 | SCREW (8-32X0.75 IN) | |
| | 21 | 1 | **4B-4863** | 4 | WASHER (4.7X11X1.2MM THK) | |
| | 22 | 1 | **6D-5801** | 4 | NUT (8-32 THD) | |
| | 23 | 1 | **6T-3643** | 3 | CIRCUIT BREAKER AS (15 AMP) | |
| | | 1 | **6V-8376** | 2 | SCREW-MACHINE (8-32X0.25 IN) | |
| | | 1 | **9B-7233** | 2 | LOCKWASHER | |
| | 24 | 1 | **6V-5645** | 6 | SCREW-MACHINE (10-32X0.87 IN) | |
| M | 25 | 1 | **6V-5683** | 3 | BOLT (M6X1X16MM) | |
| | 26 | 1 | **6V-8185** | 4 | NUT (1/4-20 THD) | |
| M | 27 | 1 | **7X-2548** | 1 | BOLT (M12X1.75X16MM) | |
| | 28 | 1 | **8T-4121** | 2 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 29 | 1 | **8T-4191** | 2 | BOLT (M10X1.5X16MM) | |
| | 30 | 1 | **8T-4205** | 4 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 31 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 32 | 1 | **8T-4224** | 1 | WASHER-HARD (8.8X16X2MM THK) | |
| M | 33 | 1 | **8T-4179** | 1 | BOLT (M12X1.75X20MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*175-7017* **PANEL GP-RELAY** ***(contd.)*** **i01498042**




GRAPHIC #1

g00762585

## *102-7664* SENSOR & MTG GP-PRESSURE

S/N: BET1-UP

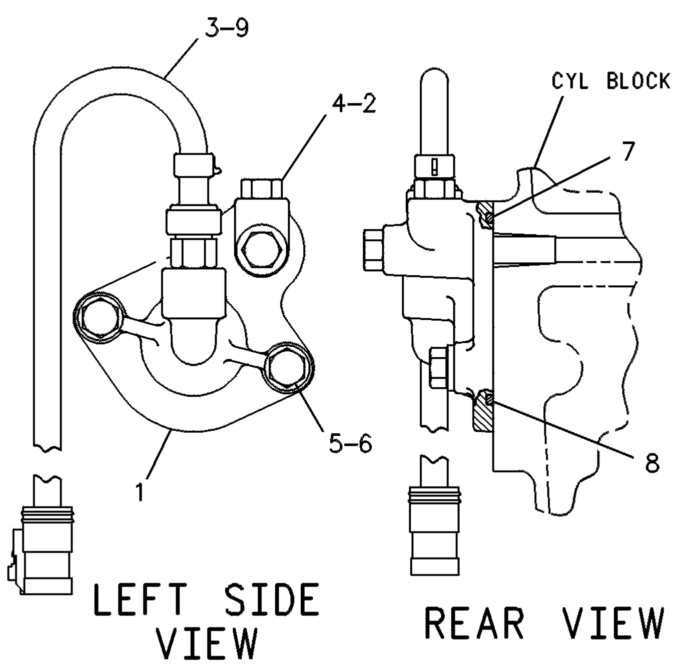
ATMOSPHERIC PRESSURE. MOUNTS TO LH SIDE OF CYLINDER BLOCK

PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE

SMCS-1408 i01448297

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **103-6037** | 1 | ADAPTER | |
| | 2 | 1 | **6V-5048** | 2 | SEAL-O-RING (8.92MM ID) | |
| Y | 3 | 1 | **161-9925** | 1 | SENSOR GP-PRESSURE (ATMOSPHERIC) | 262 |
| | 4 | 1 | **9S-4182** | 2 | PLUG-O-RING | |
| | 5 | 1 | **0S-1588** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 6 | 1 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 7 | 1 | **6V-3683** | 1 | SEAL-O-RING (23.39MM ID) | |
| | 8 | 1 | **8J-4351** | 1 | SEAL-O-RING (44.04MM ID) | |
| | 9 | 1 | **6V-5049** | 1 | SEAL-O-RING (11.89MM ID) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00237894

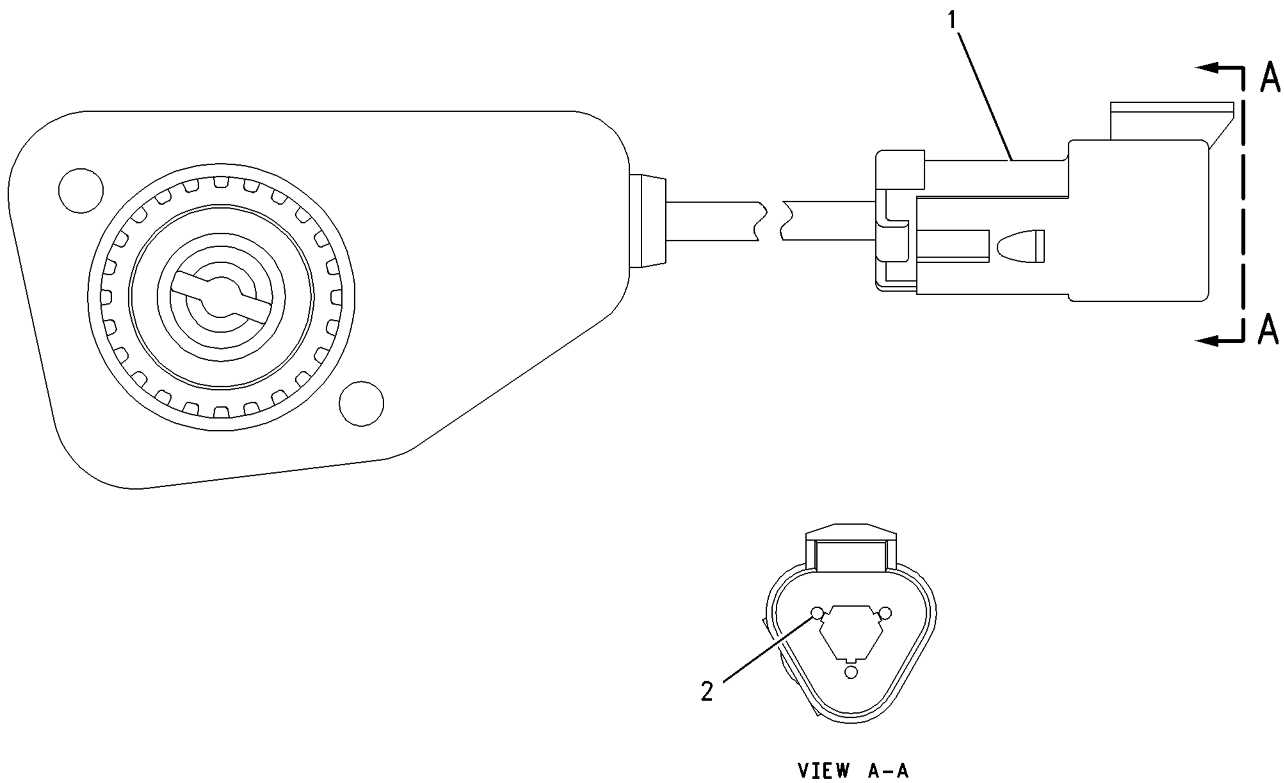
## 147-1680 SENSOR GP-POSITION

S/N: AKA1-UP

PART OF 158-8079 PEDAL GP-GOVERNOR & BRAKE

SMCS-1408 i01502157

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 2 | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |




GRAPHIC #1 g00711081

## *160-2443* SENSOR GP-POSITION

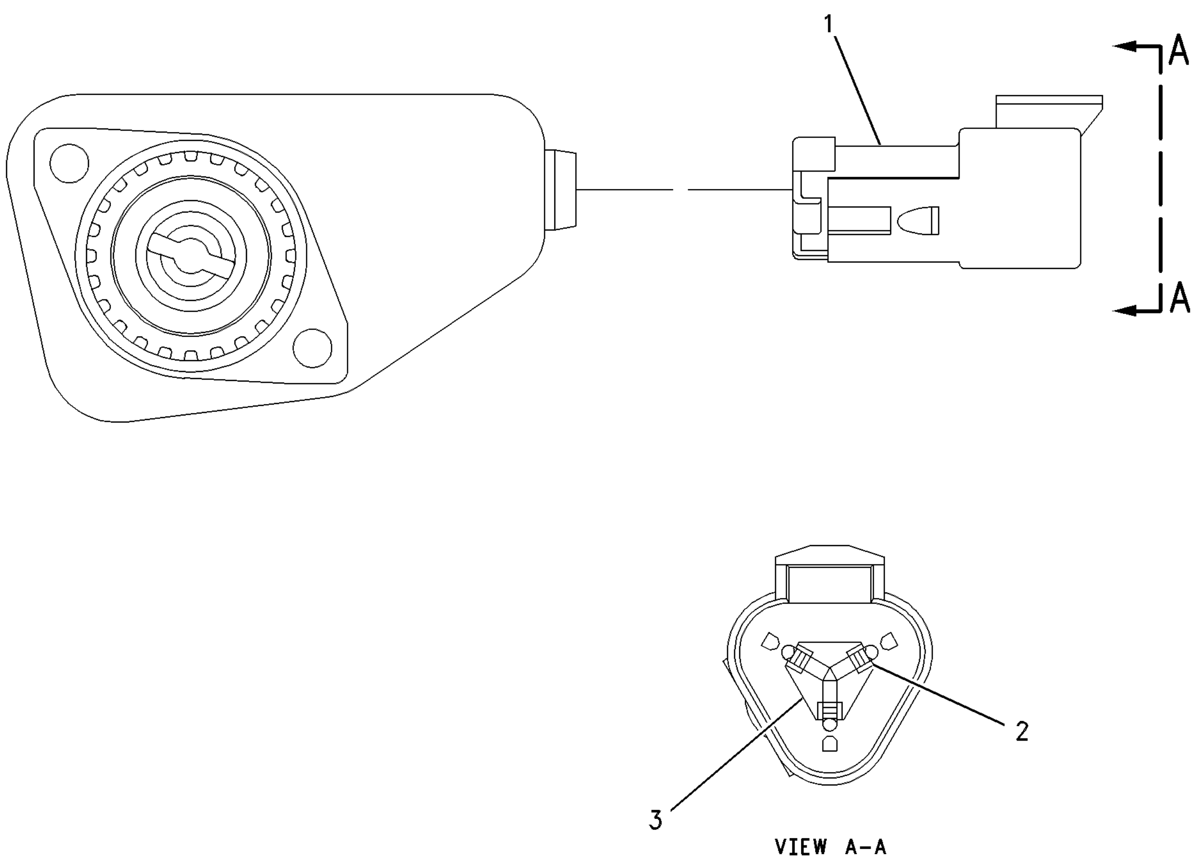
**S/N: AKA1-UP**

**ROTARY**

**PART OF 158-8079 PEDAL GP-GOVERNOR & BRAKE**

**SMCS-1408** **i01431988**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 2 | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | 3 | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |




GRAPHIC #1 g00637818

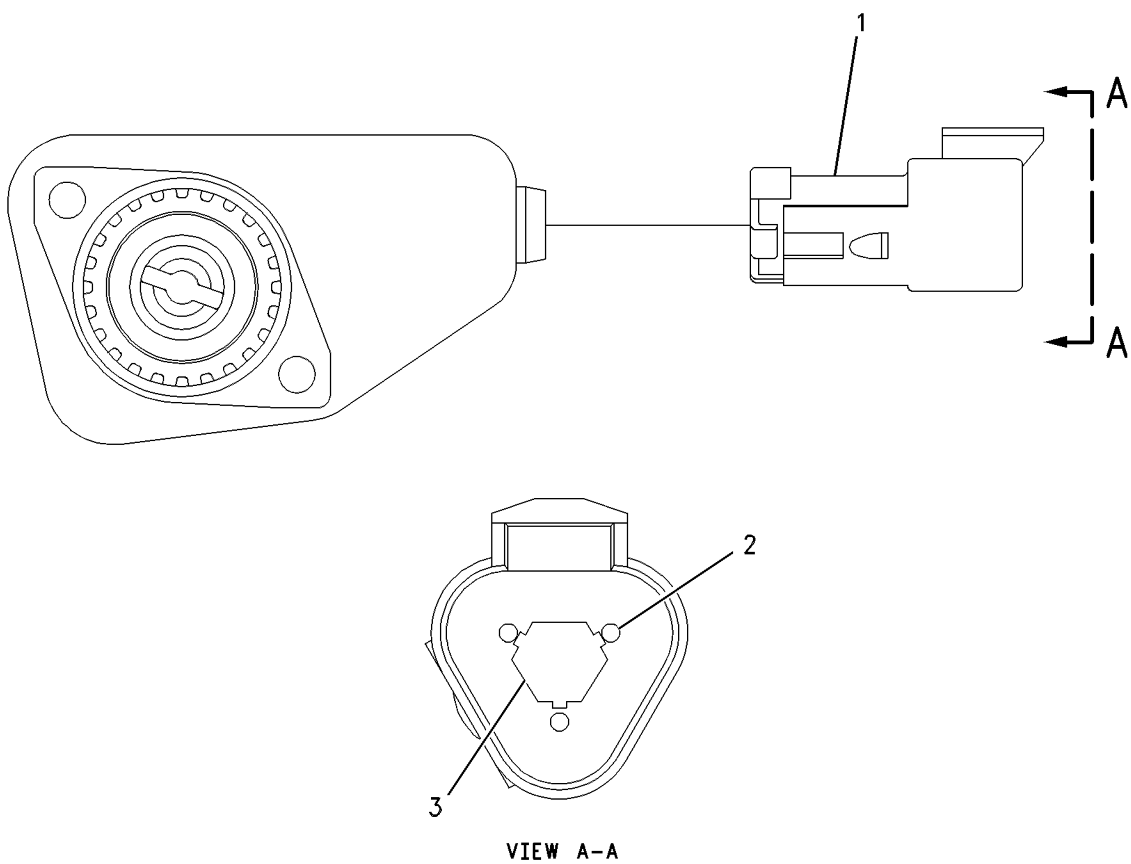
# 161-8979 SENSOR GP-POSITION

**S/N: AKA1-UP**

**PART OF 112-4820 CONTROL GP-STEERING & TMSN**

**SMCS-1408** **i01145558**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 2 | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | 3 | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK | |




GRAPHIC #1 g00550816

## *161-9925* SENSOR GP-PRESSURE

**S/N: BET1-UP**

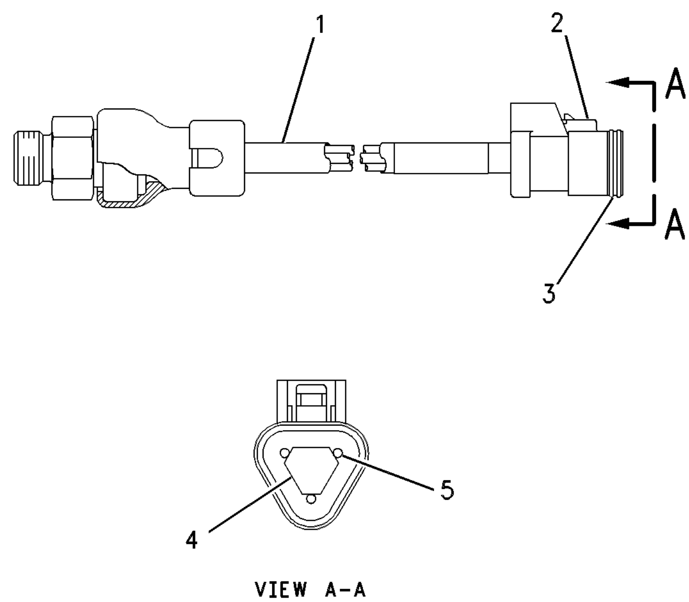
**PART OF 102-7664 SENSOR & MTG GP-PRESSURE**

**FIELD REPLACEMENT ORDER 194-6722—PAGE 266**

**SMCS-1408** **i01448306**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **9X-1813** | | SLEEVE | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 3 | 1 | **102-8813** | 1 | SEAL-INTERFACE | |
| | 4 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |
| | 5 | 1 | **8T-8730** | 3 | SOCKET-CONNECTOR | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00545805

# 161-9926 SENSOR GP-PRESSURE

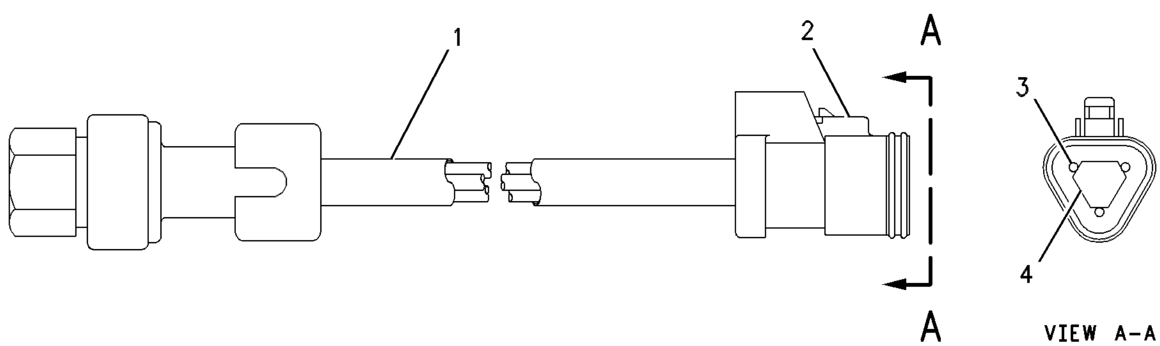
**S/N: AKA1-UP**

**PART OF 159-9263 BATTERY & WIRING GP**

**SMCS-1408** **i01426986**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **9X-1813** | | SLEEVE (34CM) | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 3 | 1 | **9X-3402** | 1 | SOCKET-CONNECTOR | |
| | | | | | (FOR 16-18 GA WIRE) | |
| | | | | | —OR— | |
| | | 1 | **126-1768** | 1 | SOCKET-CONNECTOR | |
| | | | | | (FOR 14 GA WIRE) | |
| | 4 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |

E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00513129

# ELECTRICAL AND STARTING SYSTEM

## *161-9929* SENSOR GP-PRESSURE

**S/N: BET1-UP**

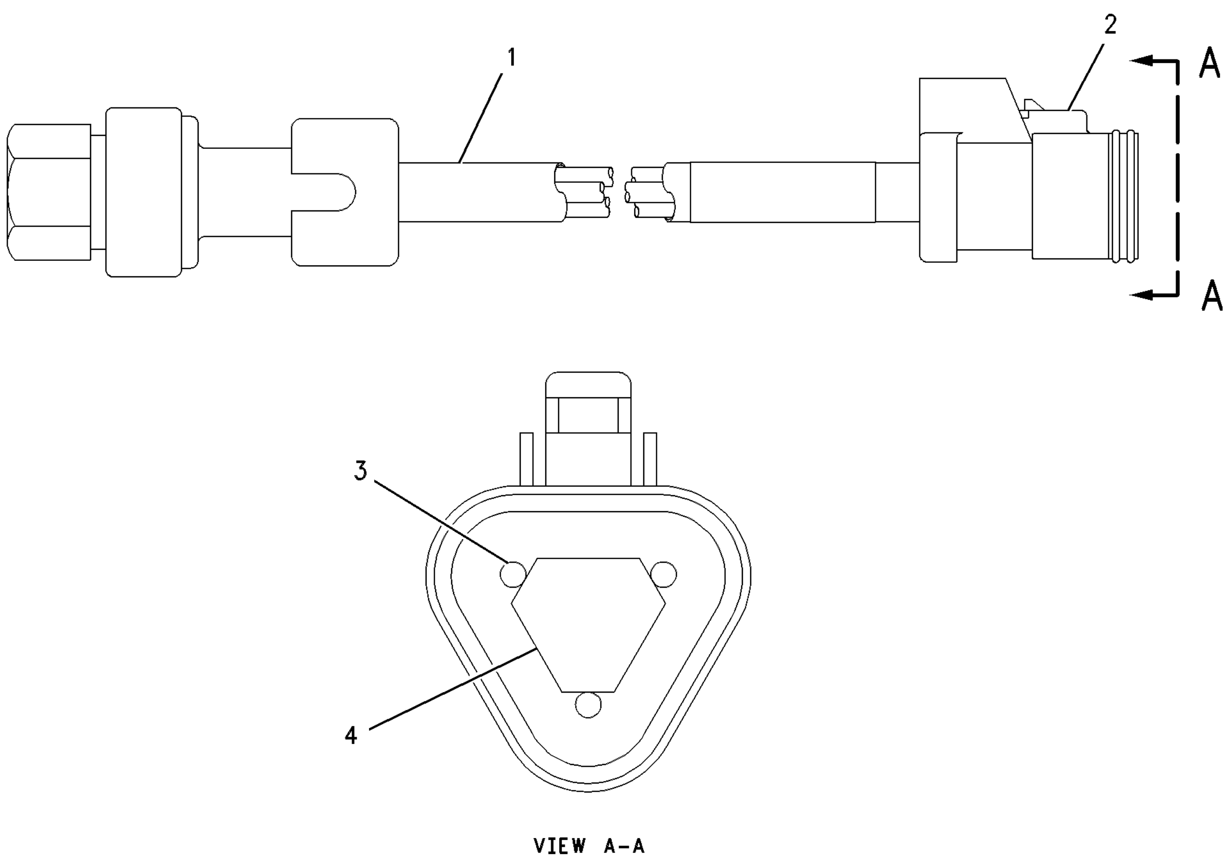
**PART OF 160-7402 CYLINDER HEAD GP**

**FIELD REPLACEMENT ORDER 194-6724—PAGE 267**

**SMCS-1408** **i01502158**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **138-3094** | | SLEEVE (34CM) | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS AND WEDGE) | |
| | 3 | 1 | **8T-8730** | 3 | SOCKET-CONNECTOR | |
| | 4 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |

E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00468388

# *161-9931* SENSOR GP-PRESSURE

**S/N: BET1-UP**

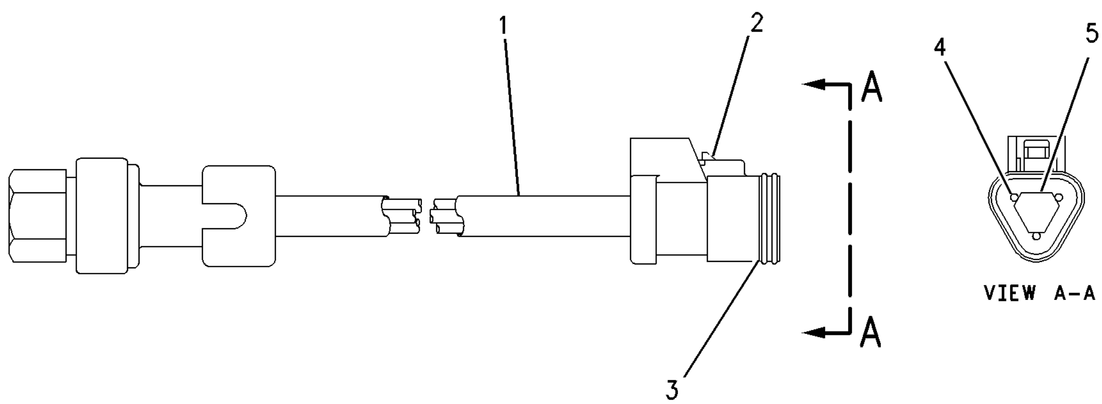
**PART OF 146-2741 CYLINDER BLOCK GP**

**FIELD REPLACEMENT ORDER 194-6725—PAGE 268**

**SMCS-1408** **i01355488**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **9X-1813** | | SLEEVE | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 3 | 1 | **102-8813** | 1 | SEAL-INTERFACE | |
| | 4 | 1 | **8T-8730** | 3 | SOCKET-CONNECTOR | |
| | 5 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00715446

# *194-6722* SENSOR GP-PRESSURE

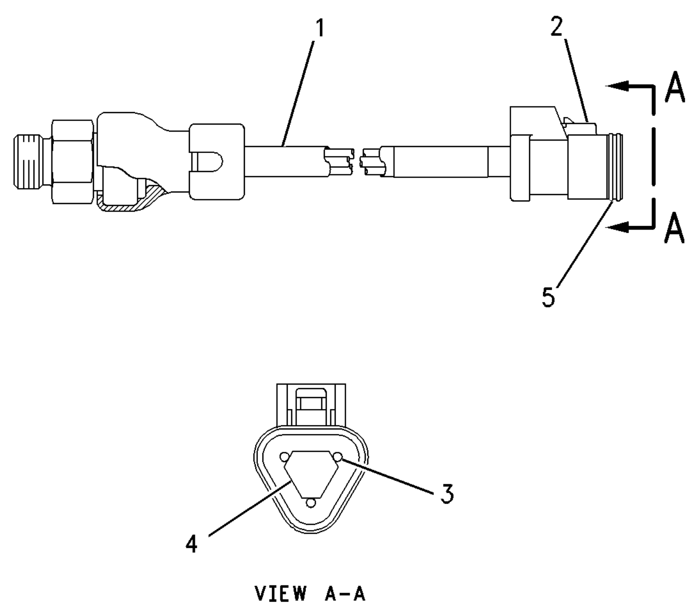
**S/N: BET1-UP**

**FIELD REPLACEMENT FOR 161-9925—PAGE 262**

**SMCS-1408** **i01448300**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **9X-1813** | | SLEEVE | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS AND WEDGE) | |
| | 3 | 1 | **180-9340** | 3 | SOCKET-CONNECTOR | |
| | 4 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |
| | 5 | 1 | **102-8813** | 1 | SEAL-INTERFACE | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00755959

# *194-6724* SENSOR GP-PRESSURE

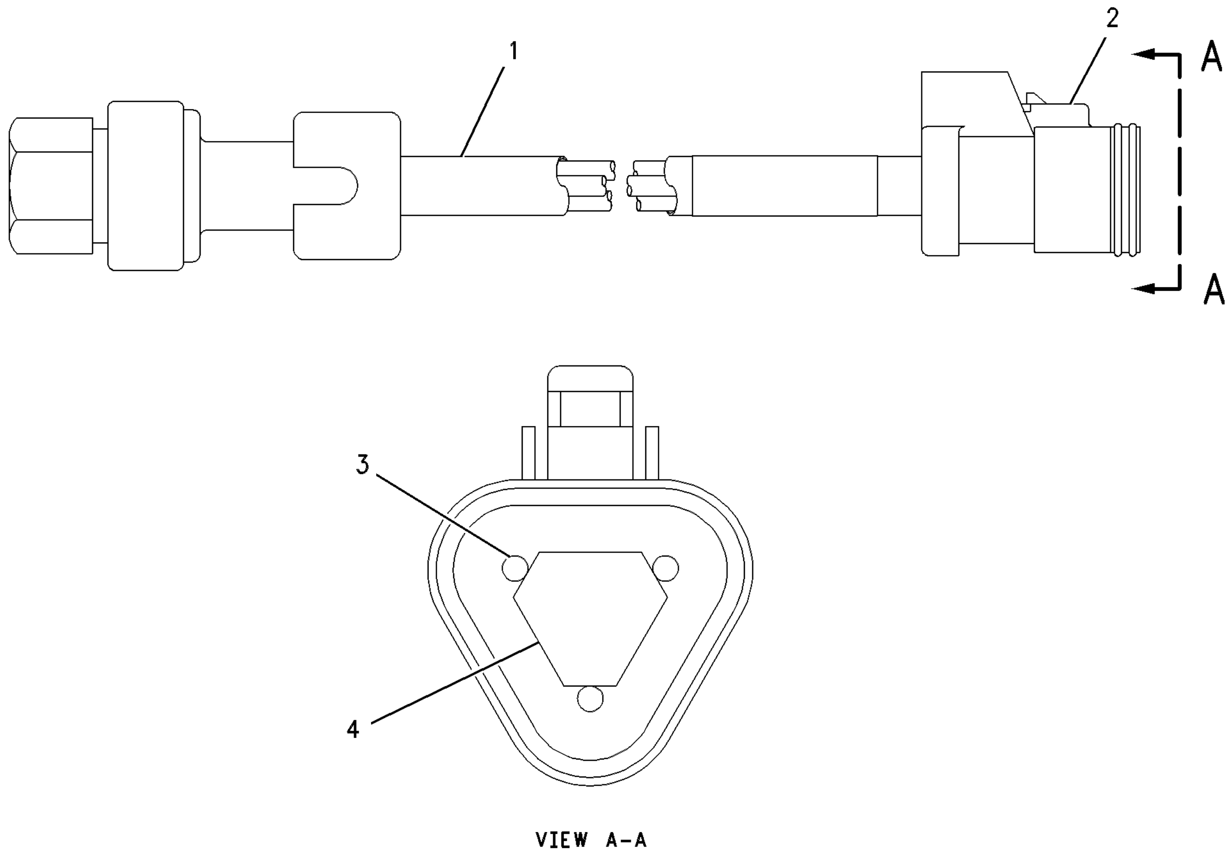
**S/N: BET1-UP**

**FIELD REPLACEMENT FOR 161-9929—PAGE 264**

**SMCS-1408** **i01449050**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **138-3094** | | SLEEVE (34CM) | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS AND WEDGE) | |
| | 3 | 1 | **180-9340** | 3 | SOCKET-CONNECTOR | |
| | 4 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |

E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00468388

## *194-6725* SENSOR GP-PRESSURE

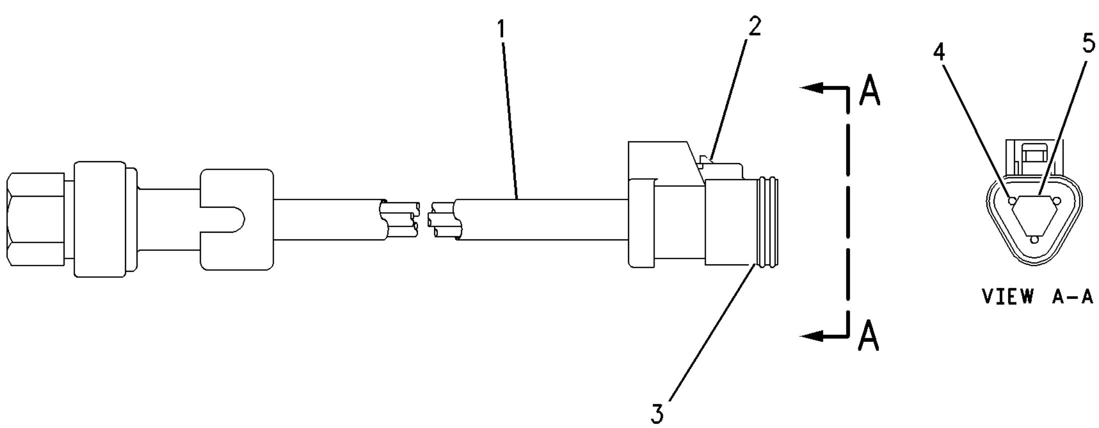
**S/N: BET1-UP**

**FIELD REPLACEMENT FOR 161-9931—PAGE 265**

**SMCS-1408** **i01448832**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **9X-1813** | | SLEEVE | |
| | 2 | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 3 | 1 | **102-8813** | 1 | SEAL-INTERFACE | |
| | 4 | 1 | **180-9340** | 3 | SOCKET-CONNECTOR | |
| | 5 | 1 | **3E-3368** | 1 | WEDGE-PLUG LOCK | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00715453

## *142-8393* SENSOR GP-SPEED

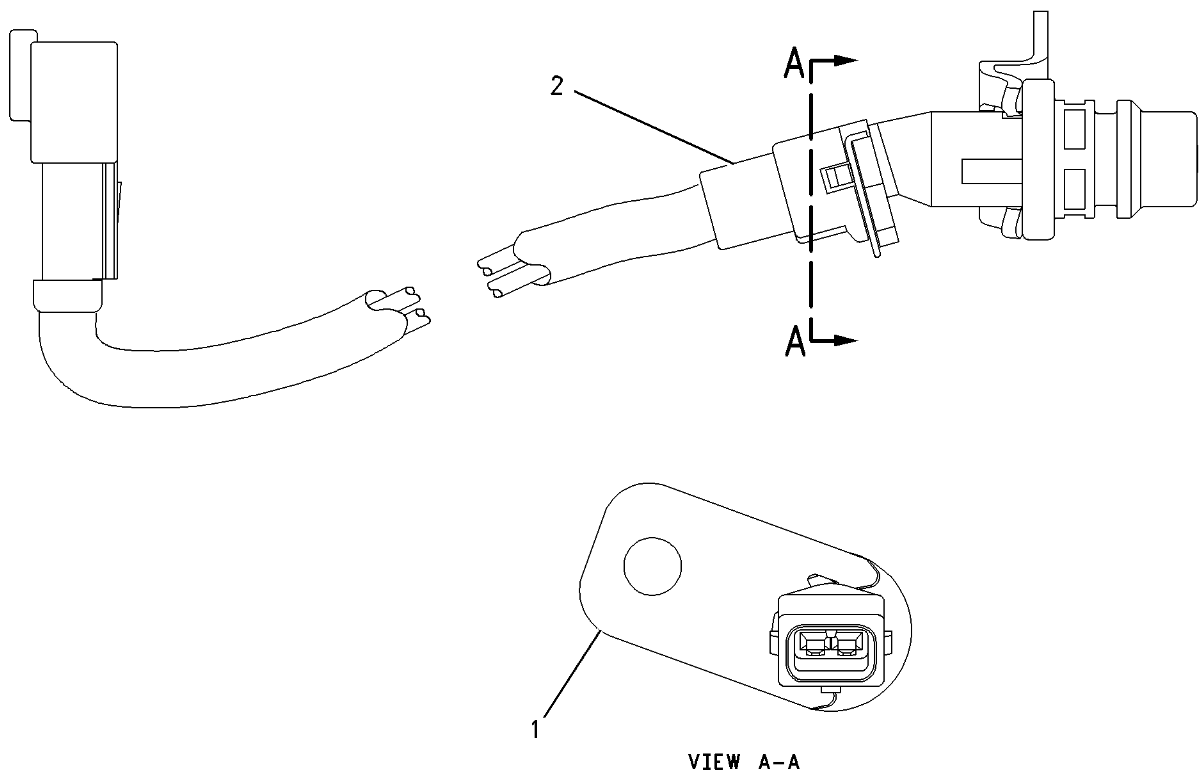
**S/N: BET1-UP**

**ENGINE SPEED-TIMING**

**PART OF 161-1509, 161-8414 HOUSING GP-FRONT**

**SMCS-1408** **i01435898**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **133-0260** | 1 | BRACKET | |
| | 2 | 1 | *142-8395* | 1 | HARNESS AS | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS AND WEDGE) | |
| | | 1 | **100-3320** | 1 | PLUG AS-CONNECTOR | |
| | | 1 | **126-5011** | 1 | SEAL-CONNECTOR | |




GRAPHIC #1

g00752148

## *142-8394* SENSOR GP-SPEED

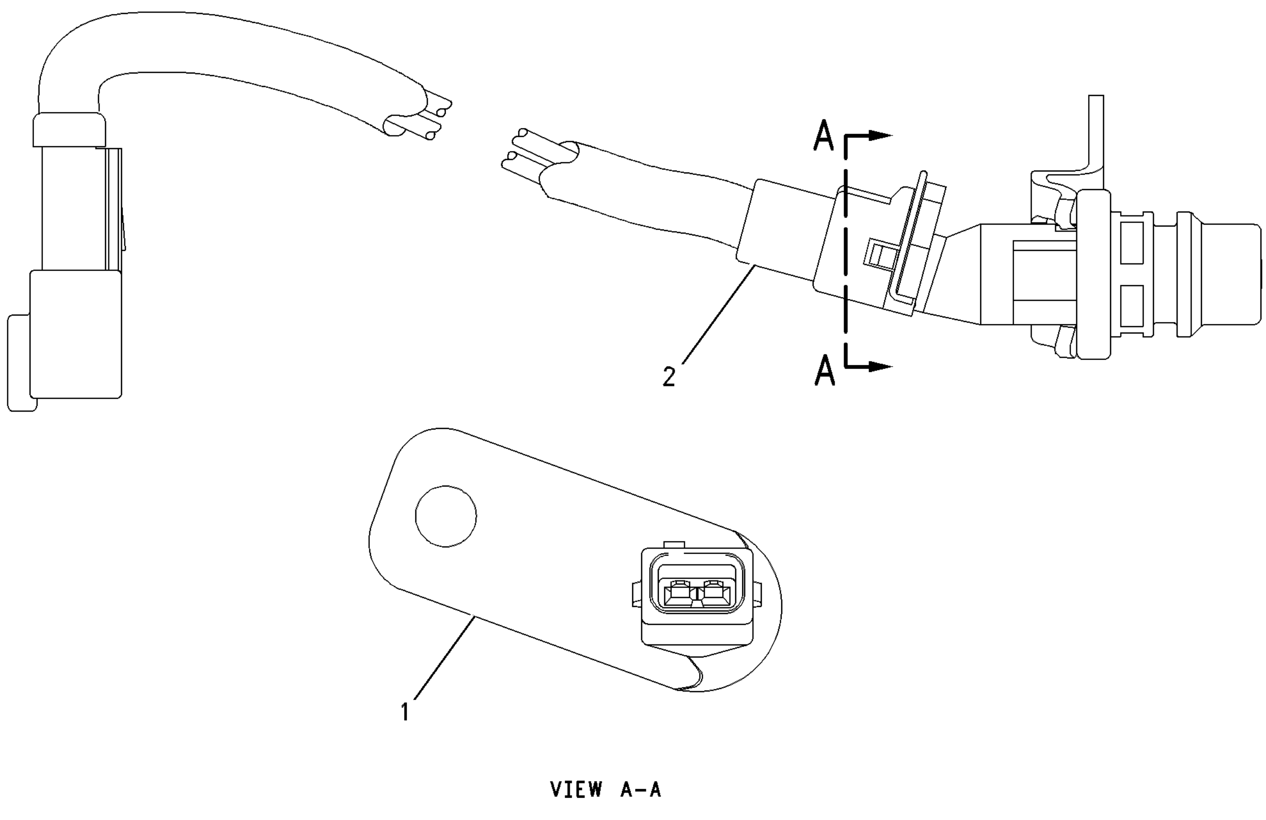
**S/N: BET1-UP**

**ENGINE SPEED-TIMING**

**PART OF 161-1509, 161-8414 HOUSING GP-FRONT**

**SMCS-1408** **i01435838**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **133-0261** | 1 | BRACKET | |
| | 2 | 1 | **142-8396** | 1 | HARNESS AS | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS AND WEDGE) | |
| | | 1 | **111-2416** | 1 | PLUG AS-CONNECTOR | |
| | | 1 | **126-5011** | 1 | SEAL-CONNECTOR | |




GRAPHIC #1 g00310568

# 193-2550 SENSOR GP-SPEED

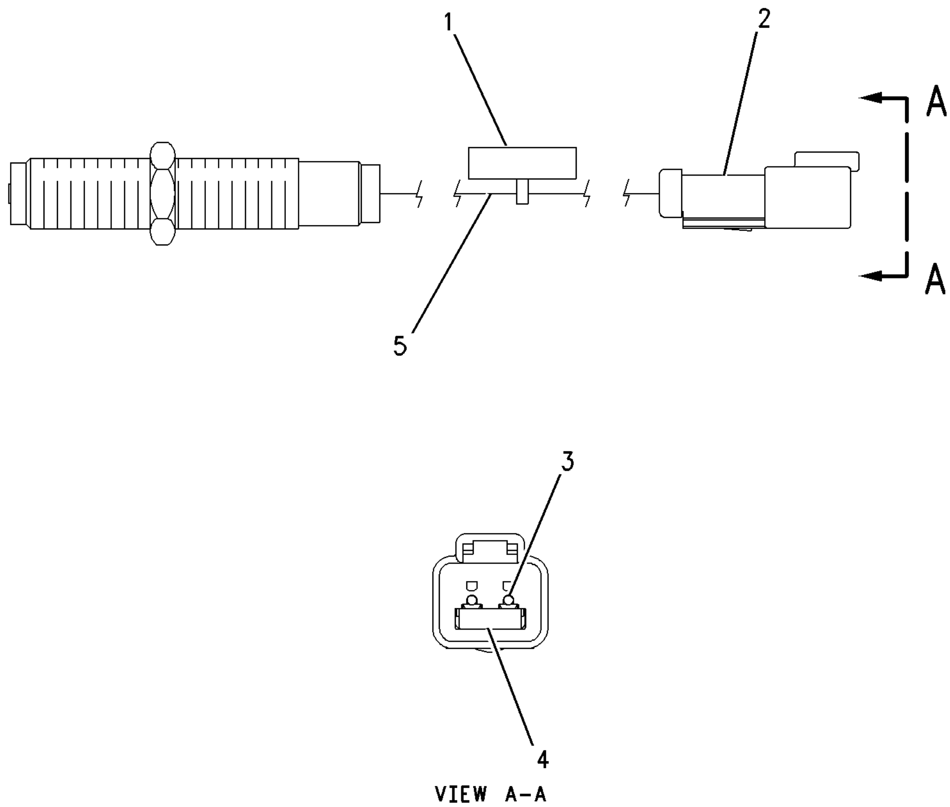
**S/N: AKA1-UP; 6GY1-UP**

**PART OF 159-9263 BATTERY & WIRING GP, 128-2722 PLANETARY GP-TRANSMISSION**

**SMCS-1408** **i01479454**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **171-5349** | 1 | STRAP-MARKER | |
| | 2 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 3 | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 4 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| E | 5 | 1 | **9X-1813** | | SLEEVE (14CM) | |

E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00690327

# 118-7226 SENSOR GP-TEMPERATURE

**S/N: AKA1-UP**

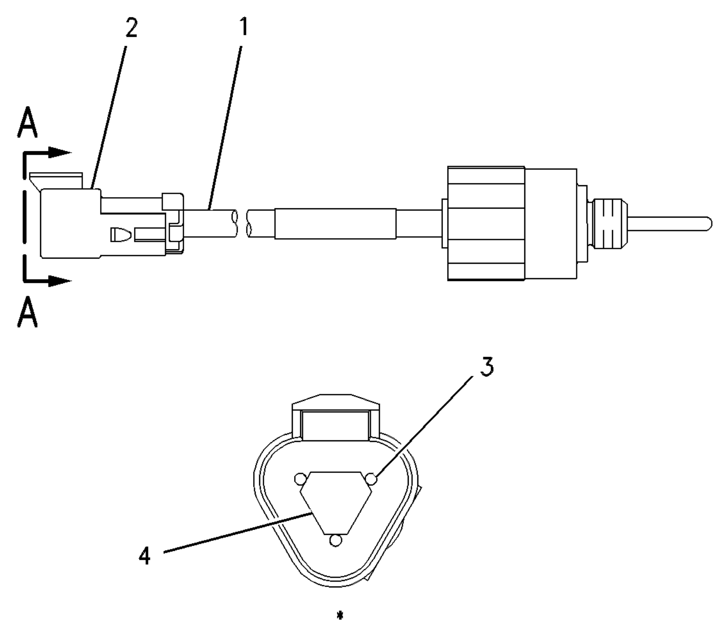
**8 VOLT. PULSE WIDTH MODULATION**

**PART OF 159-9263 BATTERY & WIRING GP**

**SMCS-1408, 1906, 1921, 1922, 7400** **i01147923**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **9X-1813** | | SLEEVE | |
| | 2 | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES WEDGE & RECEPTACLE AS) | |
| | 3 | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | 4 | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00609258

## *194-9351* SERVICE GP-MACHINE

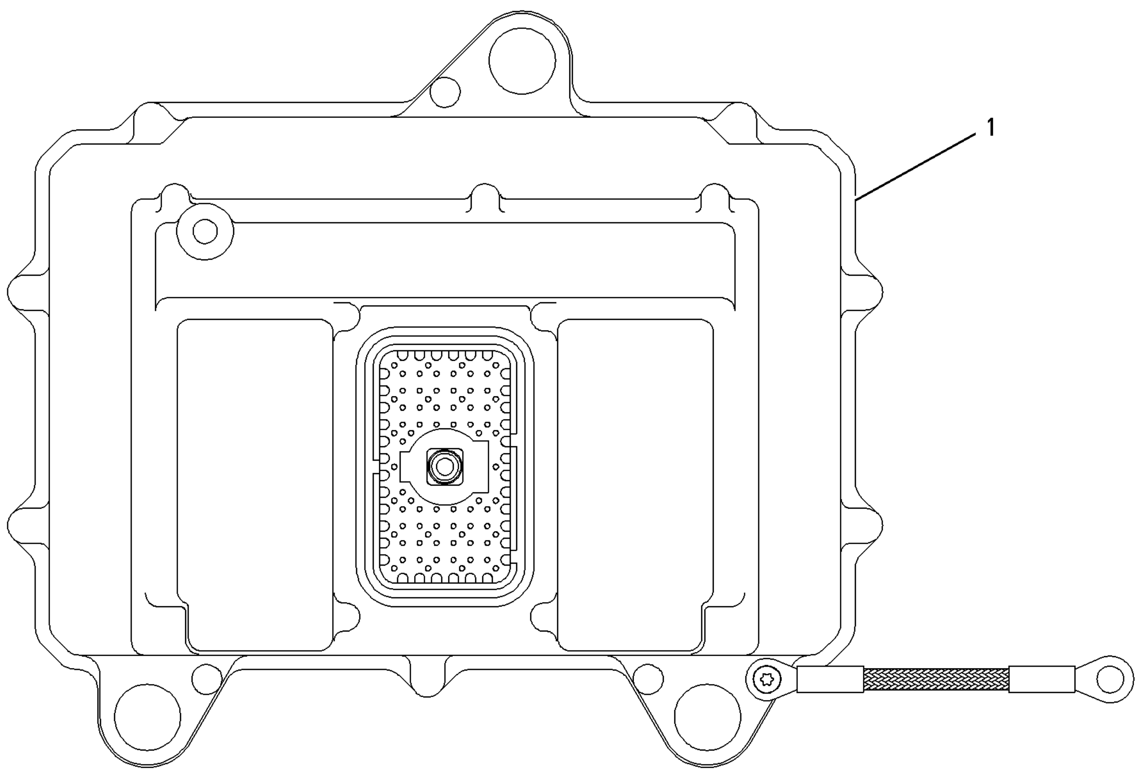
**S/N: AKA1-UP**

**PART OF 195-5202 ELECTRONICS GP-MACHINE**

**SMCS-7610** **i01489135**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **193-8550** | 1 | CONTROL GP-MACHINE | 214 |
| | | | | | | |
| F | | 1 | **194-9350** | 1 | SOFTWARE GP-MACHINE (SECURITY SYSTEM) | |

F-NOT SHOWN
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00728629

# *159-6160* STARTING AID GP-ETHER

**S/N: AKA1-UP**

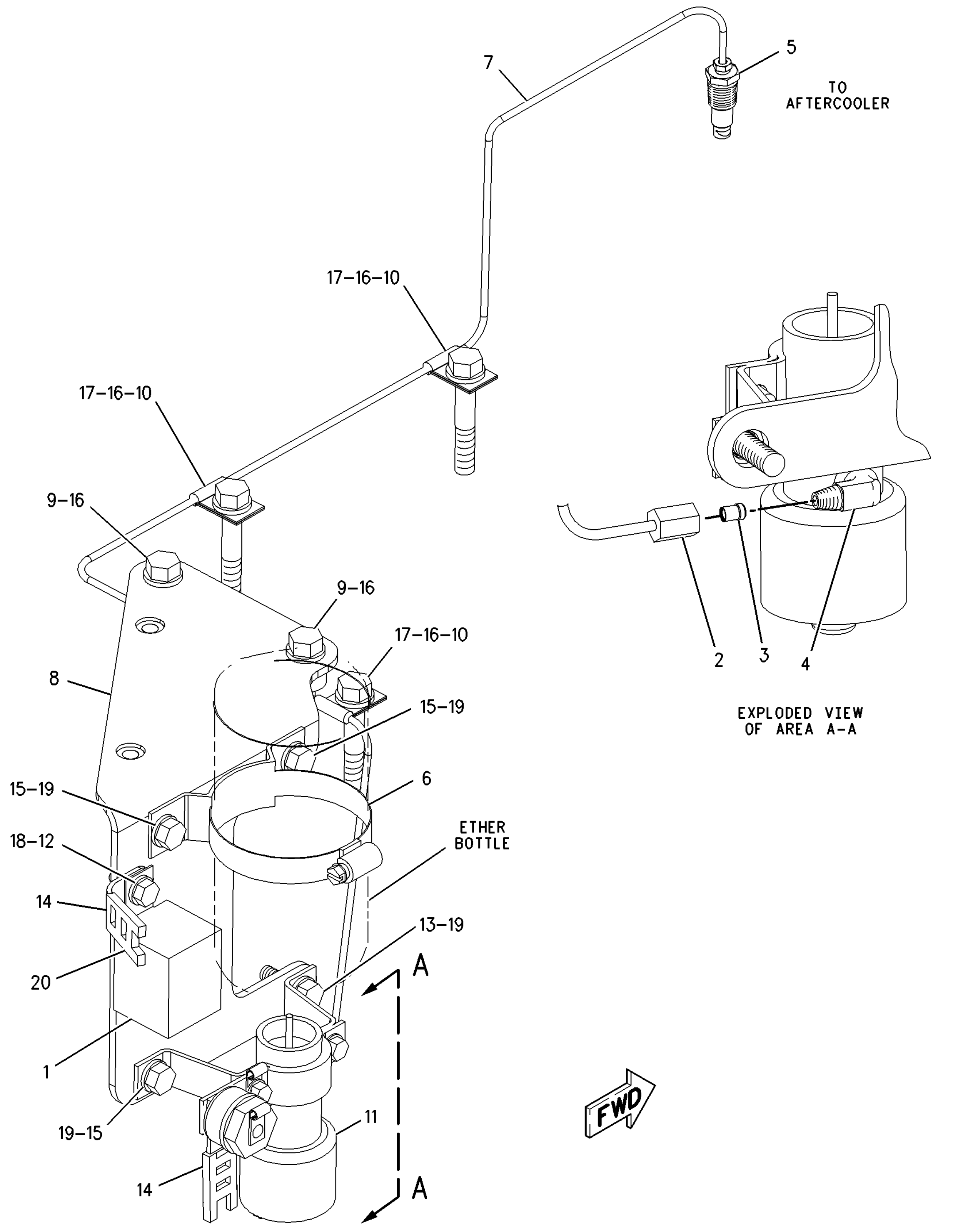
**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1456** **i01503214**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3E-5239** | 1 | RELAY AS (24 VOLT) | |
| | 2 | 1 | **5P-6313** | 1 | NUT-FLARELESS (5/16-24 THD) | |
| | 3 | 1 | **5P-6314** | 1 | SLEEVE | |
| | 4 | 1 | **5P-6315** | 1 | ELBOW-FLARELESS | |
| J | 5 | 1 | **6N-7672** | 1 | ATOMIZER AS | |
| | 6 | 1 | **7N-2059** | 1 | CLAMP AS-CYLINDER | |
| | 7 | 1 | **162-7578** | 1 | TUBE AS | |
| | 8 | 1 | **199-3202** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **4K-9097** | 3 | NUT-WELD (5/16-18 THD) | |
| | | 1 | **9F-6445** | 1 | NUT-WELD (1/4-20 THD) | |
| | 9 | 1 | **0L-1143** | 2 | BOLT (3/8-16X2.50 IN) | |
| | 10 | 1 | **0L-2070** | 3 | BOLT (3/8-16X2.25 IN) | |
| | 11 | 1 | **3E-6332** | 1 | VALVE AS-ETHER START | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | | 1 | **7N-9801** | 1 | GASKET | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 12 | 1 | **4M-5281** | 1 | BOLT (1/4-20X0.750 IN) | |
| | 13 | 1 | **4M-6425** | 1 | BOLT (5/16-18X1 IN) | |
| | 14 | 1 | **4P-7581** | 1 | CLIP | |
| | 15 | 1 | **5K-0906** | 3 | BOLT (5/16-18X0.63 IN) | |
| | 16 | 1 | **5M-2894** | 5 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 17 | 1 | **6V-2686** | 3 | CLIP | |
| | 18 | 1 | **8T-4205** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 19 | 1 | **8T-4224** | 4 | WASHER-HARD (8.8X16X2MM THK) | |
| | 20 | 1 | **4P-8134** | 1 | CLIP | |
| | | | | | | |
| A | | 1 | **7N-0296** | 1 | CYLINDER AS (ETHER) | |
| | | | | | (MUST BE PROCURED LOCALLY FROM YOUR CATERPILLAR DEALER) | |

A-NOT PART OF THIS GROUP
J-INSTALL WITH ORIFICE DIRECTED DOWN

*159-6160* **STARTING AID GP-ETHER** ***(contd.)*** **i01503214**




GRAPHIC #1

g00779865

# 6V-0890 STARTING MOTOR GP-ELECTRIC

**S/N: AKA1-UP**

**24 VOLT**

**PART OF 186-0067 STARTING MOTOR GP-ELECTRIC**

**SMCS-1453, 1454, 1465** i00149184

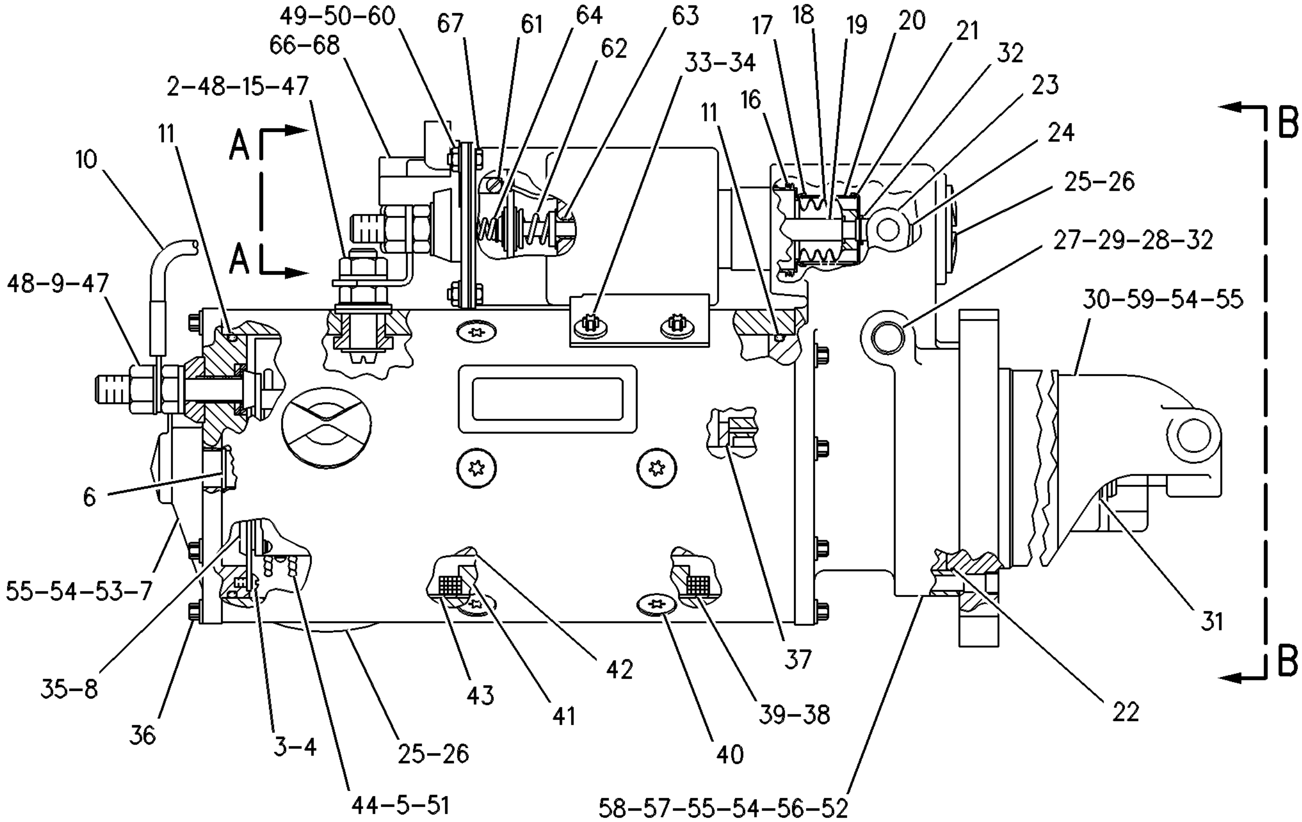
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7M-0326** | 1 | CONNECTOR | |
| | 2 | 1 | **9H-3757** | 2 | WASHER (3/32IN THK) | |
| | 3 | 1 | **1S-7446** | 3 | SCREW-MACHINE (8-32 THD) | |
| | 4 | 1 | **8C-9660** | 3 | WASHER (0.8MM THK) | |
| | 5 | 1 | **9S-2544** | 9 | SCREW-HEX HEAD | |
| | 6 | 1 | **7M-0327** | 1 | WASHER-THRUST | |
| | 7 | 1 | **3T-3418** | 1 | FRAME AS-END | |
| | | 1 | **3T-3423** | 1 | CUP | |
| | | 1 | **9G-4101** | 1 | BUSHING-END | |
| | | 1 | **3T-3424** | 1 | PLUG-FELT | |
| | 8 | 1 | **3T-9525** | 1 | PLATE AS-BRUSH | |
| | | 1 | **6T-0371** | 1 | INSULATOR | |
| | | 1 | **5P-6298** | 12 | SCREW-MACHINE (10-32X0.5IN) | |
| | | 1 | **9F-5599** | 12 | LOCKWASHER | |
| | | 1 | **6T-0372** | 1 | PLATE | |
| | | 1 | **6T-0363** | 6 | HOLDER AS-BRUSH | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3T-9494** | 1 | SPRING-BRUSH | |
| | | 1 | **2L-6679** | 3 | PLATE-INSULATOR | |
| | | 1 | **3T-4709** | 3 | PLATE | |
| | | 1 | **3T-4710** | 3 | PLATE | |
| | | 1 | **7F-3525** | 6 | WASHER-BUSHING | |
| | 9 | 1 | **7F-3491** | 2 | WASHER (3/32IN THK) | |
| | 10 | 1 | **3T-3422** | 1 | WIRE AS | |
| | 11 | 1 | **2J-8163** | 2 | SEAL-O-RING (117.07MM ID) | |
| | 12 | 1 | **7X-3373** | 1 | BOLT (5/16-18X.88IN) | |
| | 13 | 1 | **3T-3434** | 6 | PLUG (12.7MM OD SPHERE) | |
| | 14 | 1 | **5J-5314** | 5 | BOLT (5/16-18X1.5IN) | |
| | 15 | 1 | **3L-3380** | 1 | BUSHING-TERMINAL | |
| | 16 | 1 | **036-9821** | 1 | WASHER | |
| | 17 | 1 | **4M-1828** | 1 | RETAINER-SPRING | |
| | 18 | 1 | **4M-1829** | 1 | BOOT-RUBBER | |
| | 19 | 1 | **9M-7606** | 1 | PLUNGER AS | |
| | 20 | 1 | **9M-7609** | 1 | SPRING | |
| | 21 | 1 | **4M-1827** | 1 | RETAINER-SPRING | |
| | 22 | 1 | **8C-3089** | 1 | SEAL-O-RING (82.22MM ID) | |
| | 23 | 1 | **4M-1853** | 1 | LEVER AS-SHIFT | |
| | 24 | 1 | **5M-3034** | 1 | LOCKNUT (5/16-24 THD) | |
| | 25 | 1 | **7L-2894** | 4 | GASKET | |
| | 26 | 1 | **4M-1831** | 4 | PLUG-LEVER HOUSING | |
| | 27 | 1 | **4M-1854** | 1 | SHAFT-LEVER | |
| | 28 | 1 | **1H-1023** | 1 | SEAL-O-RING (9.25MM ID) | |
| | 29 | 1 | **2D-6392** | 1 | SEAL-O-RING (6.07MM ID) | |
| | 30 | 1 | **7T-3974** | 1 | HOUSING AS-DRIVE | |
| | 31 | 1 | **6N-3826** | 1 | DRIVE AS-MOTOR | |
| | 32 | 1 | **2H-3429** | 2 | RING-RETAINING | |
| | 33 | 1 | **6V-1322** | 4 | BOLT (1/4-20X.375 IN) | |
| | 34 | 1 | **8T-4205** | 4 | WASHER-HARD (2MM THK) | |
| | 35 | 1 | **6N-3279** | 1 | INSULATOR | |
| | 36 | 1 | **036-9823** | 13 | BOLT | |
| | 37 | 1 | **1M-9971** | 1 | SPACER | |
| | 38 | 1 | **1H-2629** | 3 | STRIP-INSULATION | |
| | 39 | 1 | **7M-0324** | 1 | COIL AS-FIELD | |
| | 40 | 1 | **3F-0379** | 12 | SCREW-POLE SHOE | |
| | 41 | 1 | **7F-3488** | 6 | SHOE-POLE | |

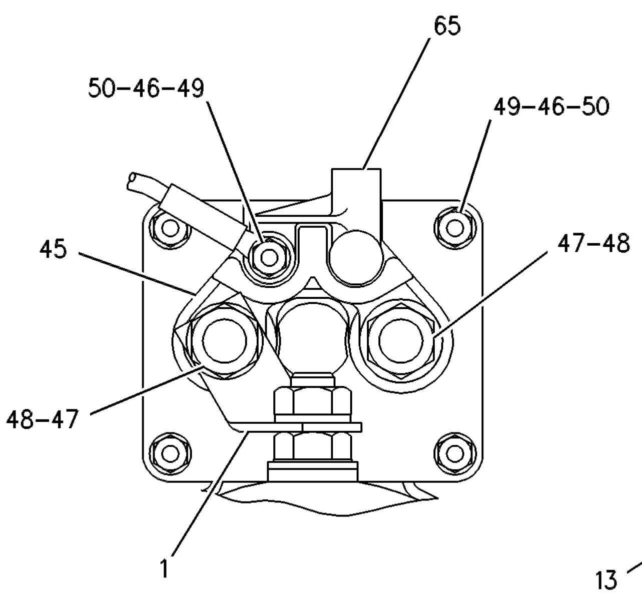
## 6V-0890 STARTING MOTOR GP-ELECTRIC *(contd.)* i00149184

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 42 | 1 | **7M-8651** | 1 | ARMATURE AS | |
| | 43 | 1 | **7M-0325** | 1 | INSULATOR-COIL | |
| | 44 | 1 | **3T-9524** | 6 | BRUSH AS | |
| | 45 | 1 | **125-6537** | 1 | INSULATOR | |
| | 46 | 1 | **8F-1434** | 2 | LOCKWASHER (5MM ID) | |
| | 47 | 1 | **6V-8188** | 6 | NUT (1/2-13 THD) | |
| | 48 | 1 | **7X-0562** | 6 | WASHER-HARD (0.8MM THK) | |
| | 49 | 1 | **4B-2049** | 6 | NUT (10-32 THD) | |
| | 50 | 1 | **8T-0328** | 10 | WASHER-HARD (1MM THK) | |
| | 51 | 1 | **3T-9494** | 6 | SPRING-BRUSH | |
| | 52 | 1 | **3E-7771** | 1 | HOUSING AS | |
| | 53 | 1 | **9G-4101** | 1 | BUSHING-END | |
| | 54 | 1 | **3T-3424** | 3 | PLUG-FELT | |
| | 55 | 1 | **3T-3423** | 3 | CUP | |
| | 56 | 1 | **1M-9968** | 1 | BUSHING | |
| | 57 | 1 | **2F-6678** | 1 | SEAL-LIP | |
| | 58 | 1 | **4L-2729** | 1 | WASHER | |
| | 59 | 1 | **4M-1896** | 1 | BUSHING-TERMINAL | |
| | 60 | 1 | **045-4065** | 4 | SCREW-MACHINE (10-32X.75IN) | |
| | 61 | 1 | **6V-8373** | 3 | SCREW-MACHINE (6-32X.187IN) | |
| | 62 | 1 | **9G-6770** | 1 | CONTACT AS | |
| | 63 | 1 | **6T-1120** | 1 | BUSHING-TERMINAL | |
| | 64 | 1 | **4M-1815** | 1 | SPRING-CONTACT | |
| | 65 | 1 | **125-6535** | 1 | COVER-STARTING MOTOR | |
| | 66 | 1 | **7T-9123** | 1 | GASKET-PLATE | |
| | 67 | 1 | **125-6533** | 1 | SOLENOID AS | |
| | | 1 | **3R-8801** | 1 | CLAMP-BOOT | |
| | 68 | 1 | **125-6536** | 1 | TERMINAL AS | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **3N-3763** | 1 | KIT-TERMINAL | |
| | | | | | (INCLUDES INSULATOR,BUSHINGS & WASHER) | |

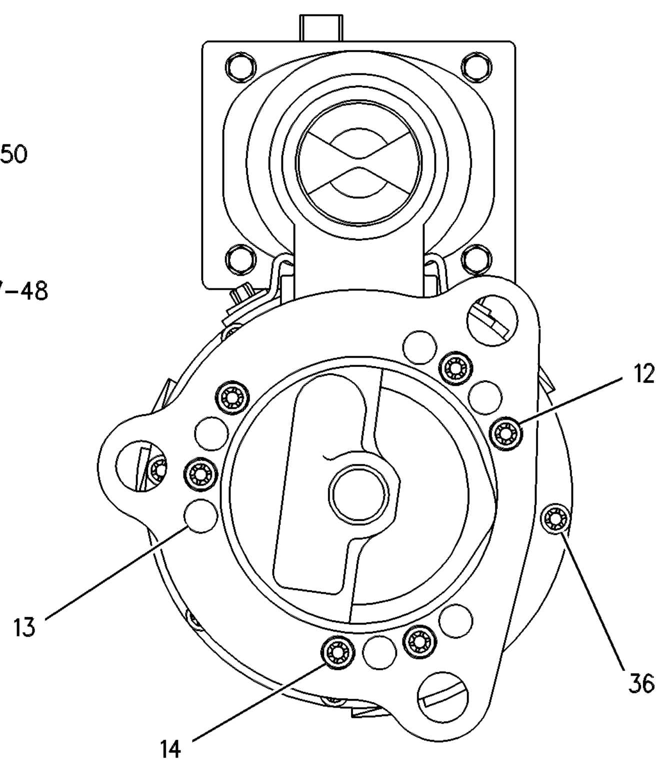
# ELECTRICAL AND STARTING SYSTEM

**6V-0890 STARTING MOTOR GP-ELECTRIC** ***(contd.)*** **i00149184**




VIEW A-A




VIEW B-B

GRAPHIC #1

g00066598

## *186-0067* STARTING MOTOR GP-ELECTRIC

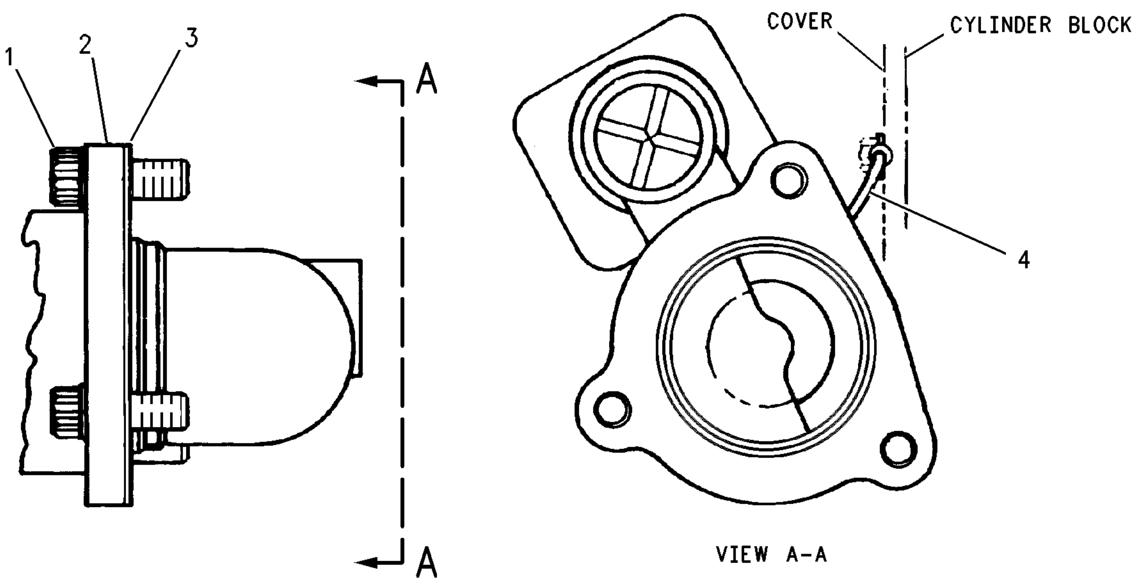
**S/N: AKA1-UP**

**PART OF 159-5908 INSTALLATION AR-ENGINE**

**SMCS-1453, 1454, 1465** **i01392441**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8S-2332** | 3 | BOLT-12 POINT HEAD (5/8-11X1.75IN) | |
| YR | 2 | 1 | **6V-0890** | 1 | STARTING MOTOR GP-ELECTRIC | 276 |
| | 3 | 1 | **4N-1059** | 1 | GASKET | |
| | 4 | 1 | **185-6393** | 1 | WIRE AS | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00705201

# ELECTRICAL AND STARTING SYSTEM

## *124-9780* STARTING MOTOR GP-PRELUB SYS

**S/N: AKA1-UP**

**PART OF 161-8142 PRELUBRICATION AR-ENGINE**

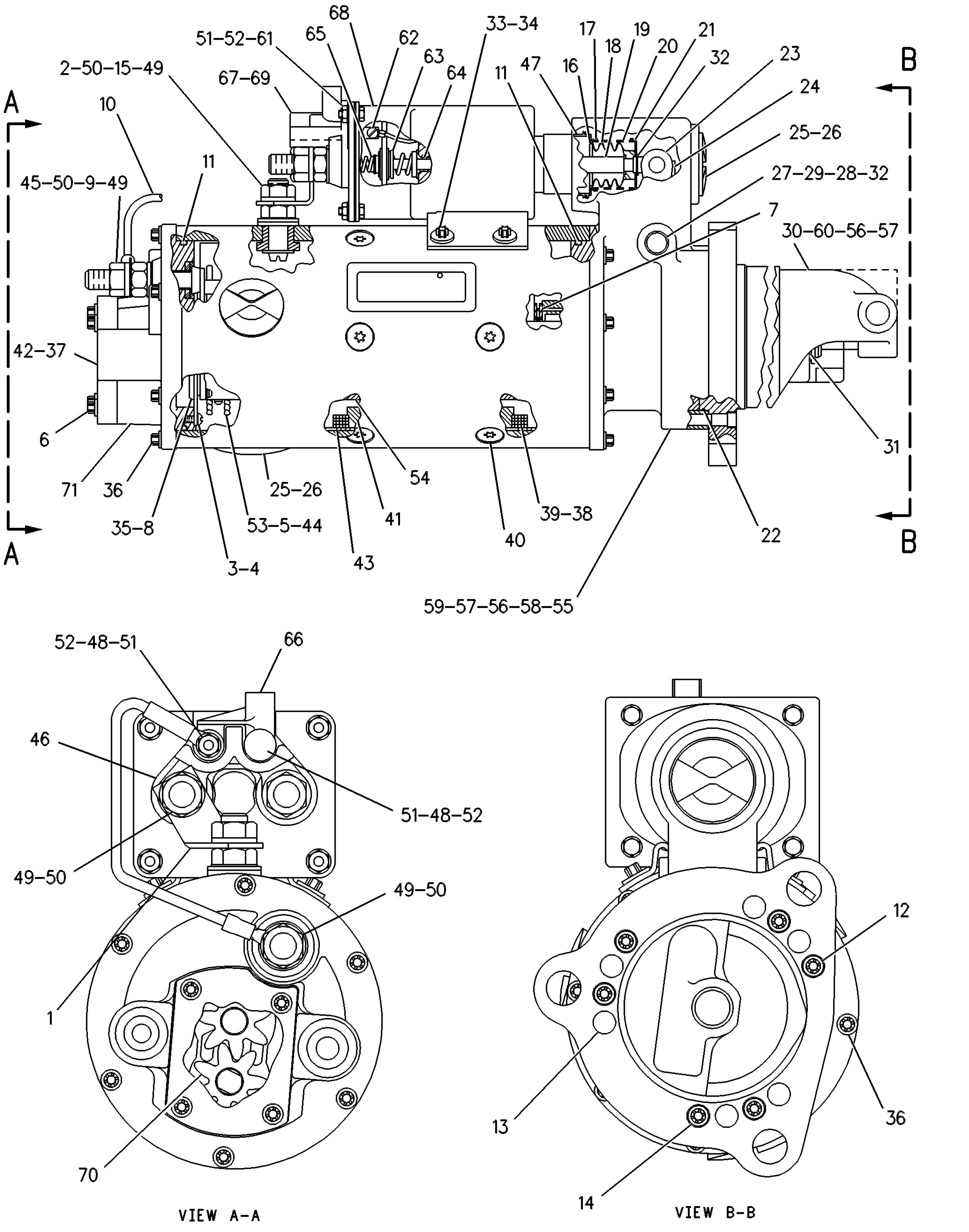
**SMCS-1453** **i01496644**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7M-0326** | 1 | CONNECTOR | |
| | 2 | 1 | **9H-3757** | 2 | WASHER (0.516X1X0.094 IN THK) | |
| | 3 | 1 | **1S-7446** | 3 | SCREW-MACHINE (8-32X0.437 THD) | |
| | 4 | 1 | **8C-9660** | 3 | WASHER (4.6X7.9X0.8MM THK) | |
| | 5 | 1 | **9S-2544** | 9 | SCREW-HEX HEAD (8-32X11.13MM) (#8) | |
| | 6 | 1 | **4L-7124** | 4 | BOLT (1/4-20X1.25 IN) | |
| | 7 | 1 | **117-0610** | 1 | KIT-BEARING | |
| | 8 | 1 | **3T-9525** | 1 | PLATE AS-BRUSH | |
| | | 1 | **5P-6298** | 12 | SCREW-MACHINE (10-32X0.5 IN) | |
| | | 1 | **6T-0363** | 6 | HOLDER AS-BRUSH | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3T-9494** | 1 | SPRING-BRUSH | |
| | | 1 | **6T-0371** | 1 | INSULATOR | |
| | | 1 | **7F-3525** | 6 | WASHER-BUSHING | |
| | | 1 | **9F-5599** | 12 | LOCKWASHER | |
| | 9 | 1 | **7F-3491** | 2 | WASHER (0.516X1X0.094 IN THK) | |
| | 10 | 1 | **3T-3422** | 1 | WIRE AS | |
| | 11 | 1 | **2J-8163** | 2 | SEAL-O-RING | |
| | 12 | 1 | **7X-3373** | 1 | BOLT (5/16-18X0.88 IN) | |
| | 13 | 1 | **3T-3434** | 6 | PLUG | |
| | 14 | 1 | **5J-5314** | 5 | BOLT (5/16-18X1.5 IN) | |
| | 15 | 1 | **3L-3380** | 1 | BUSHING-TERMINAL | |
| | 16 | 1 | **036-9821** | 1 | WASHER | |
| | 17 | 1 | **4M-1828** | 1 | RETAINER-SPRING | |
| | 18 | 1 | **4M-1829** | 1 | BOOT-RUBBER | |
| | 19 | 1 | **9M-7606** | 1 | PLUNGER AS | |
| | 20 | 1 | **9M-7609** | 1 | SPRING | |
| | 21 | 1 | **4M-1827** | 1 | RETAINER-SPRING | |
| | 22 | 1 | **8C-3089** | 1 | SEAL-O-RING | |
| | 23 | 1 | **4M-1853** | 1 | LEVER AS-SHIFT | |
| | 24 | 1 | **5M-3034** | 1 | LOCKNUT | |
| | 25 | 1 | **7L-2894** | 4 | GASKET | |
| | 26 | 1 | **4M-1831** | 4 | PLUG-LEVER HOUSING | |
| | 27 | 1 | **4M-1854** | 1 | SHAFT-LEVER | |
| | 28 | 1 | **1H-1023** | 1 | SEAL-O-RING | |
| | 29 | 1 | **2D-6392** | 1 | SEAL-O-RING | |
| | 30 | 1 | **7T-3974** | 1 | HOUSING AS-DRIVE | |
| | 31 | 1 | **6N-3826** | 1 | DRIVE AS-MOTOR | |
| | 32 | 1 | **2H-3429** | 2 | RING-RETAINING | |
| | 33 | 1 | **6V-1322** | 4 | BOLT (1/4-20X0.375 IN) | |
| | 34 | 1 | **8T-4205** | 4 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 35 | 1 | **6N-3279** | 1 | INSULATOR | |
| | 36 | 1 | **036-9823** | 13 | BOLT | |
| | 37 | 1 | **111-9862** | 1 | COVER-STARTING MOTOR | |
| | 38 | 1 | **1H-2629** | 3 | STRIP-INSULATION | |
| | 39 | 1 | **7M-0324** | 1 | COIL AS-FIELD | |
| | 40 | 1 | **3F-0379** | 12 | SCREW-POLE SHOE | |
| | 41 | 1 | **7F-3488** | 6 | SHOE-POLE | |
| | 42 | 1 | **111-9864** | 1 | GASKET | |
| | 43 | 1 | **7M-0325** | 1 | INSULATOR-COIL | |
| | 44 | 1 | **3T-9524** | 6 | BRUSH AS | |
| | 45 | 1 | **3N-3763** | 1 | KIT-TERMINAL | |
| | 46 | 1 | **125-6537** | 1 | INSULATOR | |
| | 47 | 1 | **3R-8801** | 1 | CLAMP-BOOT | |
| | 48 | 1 | **8F-1434** | 2 | LOCKWASHER | |
| | 49 | 1 | **6V-8188** | 6 | NUT (1/2-13 THD) | |

## *124-9780* **STARTING MOTOR GP-PRELUB SYS** *(contd.)* i01496644

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 50 | 1 | **7X-0562** | 6 | WASHER-HARD (13.5X19X0.8MM THK) | |
| | 51 | 1 | **4B-2049** | 6 | NUT (10-32 THD) | |
| | 52 | 1 | **8T-0328** | 10 | WASHER-HARD (5.5X10X1MM THK) | |
| | 53 | 1 | **3T-9494** | 6 | SPRING-BRUSH | |
| | 54 | 1 | **123-9776** | 1 | ARMATURE AS-STARTING MOTOR | |
| | 55 | 1 | **123-9773** | 1 | HOUSING AS-STARTING MOTOR | |
| | 56 | 1 | **3T-3424** | 2 | PLUG-FELT | |
| | 57 | 1 | **3T-3423** | 2 | CUP | |
| | 58 | 1 | **1M-9968** | 1 | BUSHING | |
| | 59 | 1 | **2F-6678** | 1 | SEAL-LIP | |
| | 60 | 1 | **4M-1896** | 1 | BUSHING-TERMINAL | |
| | 61 | 1 | **045-4065** | 4 | SCREW-MACHINE (10-32X0.75 IN) | |
| | 62 | 1 | **6V-8373** | 3 | SCREW-MACHINE (6-32X0.187 IN) | |
| | 63 | 1 | **9G-6770** | 1 | CONTACT AS | |
| | 64 | 1 | **6T-1120** | 1 | BUSHING-TERMINAL | |
| | 65 | 1 | **4M-1815** | 1 | SPRING-CONTACT | |
| | 66 | 1 | **125-6535** | 1 | COVER-STARTING MOTOR | |
| | 67 | 1 | **7T-9123** | 1 | GASKET-PLATE | |
| | 68 | 1 | **125-6533** | 1 | SOLENOID AS | |
| | | 1 | **3R-8801** | 1 | CLAMP-BOOT | |
| | 69 | 1 | **125-6536** | 1 | TERMINAL AS | |
| | 70 | 1 | **111-9866** | 1 | KIT-STARTING MOTOR GEAR | |
| | 71 | 1 | **147-0633** | 1 | HOUSING AS | |

*124-9780* **STARTING MOTOR GP-PRELUB SYS** ***(contd.)*** **i01496644**




GRAPHIC #1 g00327004

# 164-7577 SWITCH GP-BYPASS

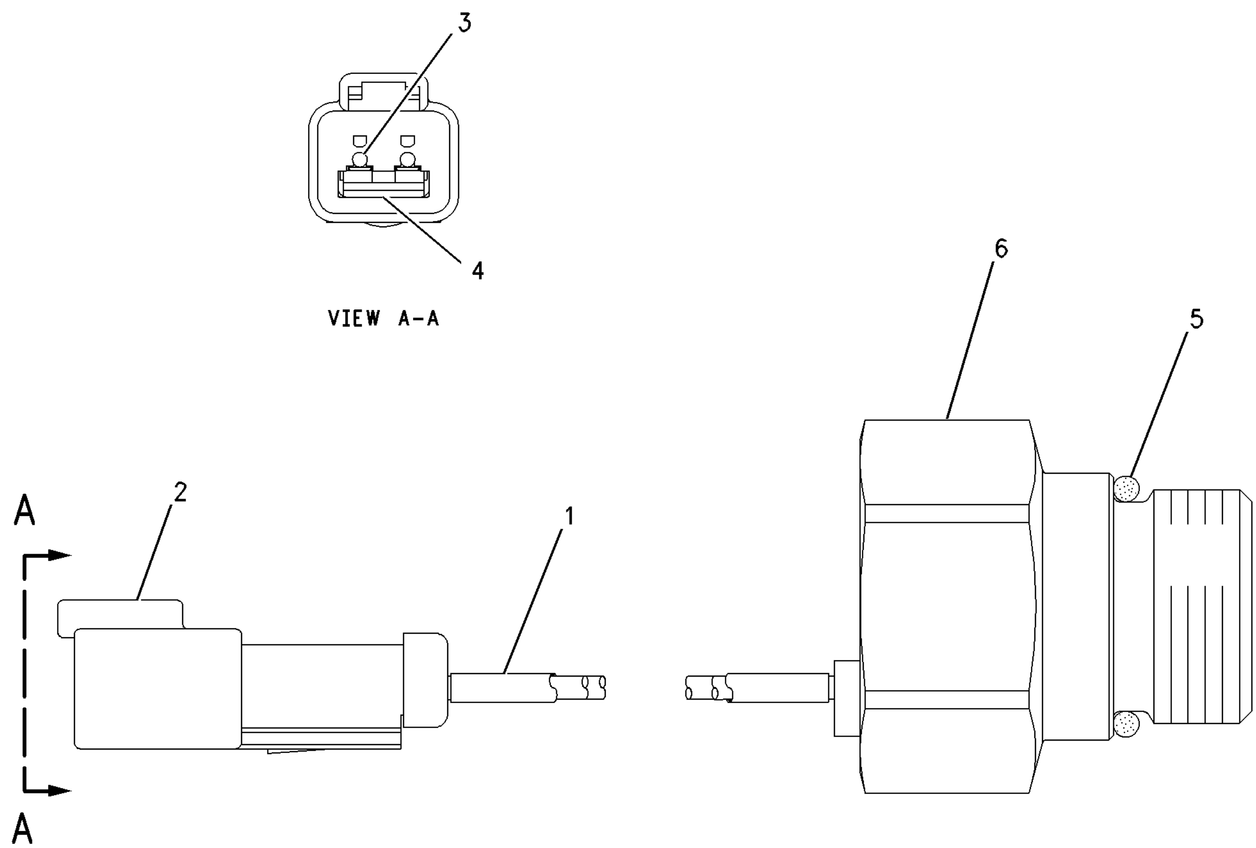
**S/N: AKA1-UP**

**PART OF 159-9263 BATTERY & WIRING GP**

**SMCS-1408** **i01431493**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **9X-1813** | | SLEEVE | |
| | 2 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 3 | 1 | **186-3735** | 2 | PIN-CONNECTOR | |
| | 4 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | 5 | 1 | **3D-2824** | 1 | SEAL-O-RING (23.47MM ID) | |
| Z | 6 | 1 | | 1 | SWITCH AS | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00750019

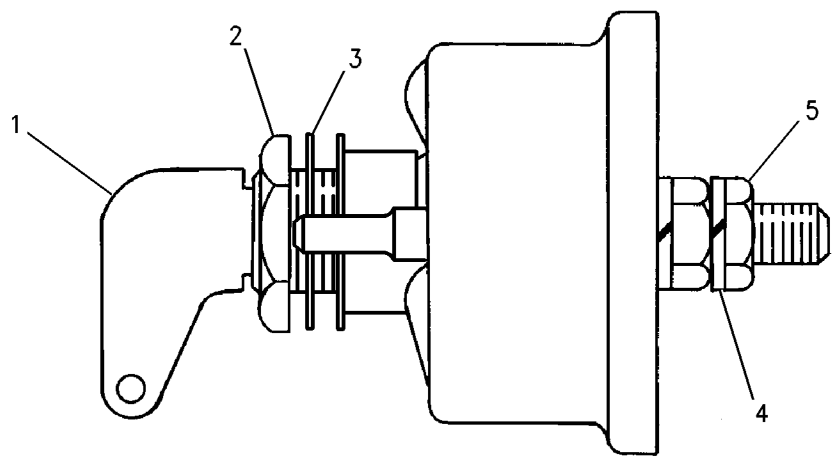
## *7N-0718* SWITCH GP-DISCONNECT—BATTERY

**S/N: AKA1-UP**

**PART OF 159-9263 BATTERY & WIRING GP**

**SMCS-1411** **i01502159**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8H-5306** | 1 | KEY | |
| | 2 | 1 | **8H-5303** | 1 | NUT (3/4-16 THD) | |
| | 3 | 1 | **2H-3922** | 2 | LOCKWASHER | |
| | 4 | 1 | **9F-5644** | 2 | LOCKWASHER | |
| | 5 | 1 | **6F-7045** | 2 | NUT-FULL (3/8X24 THD) | |




GRAPHIC #1 g00715584

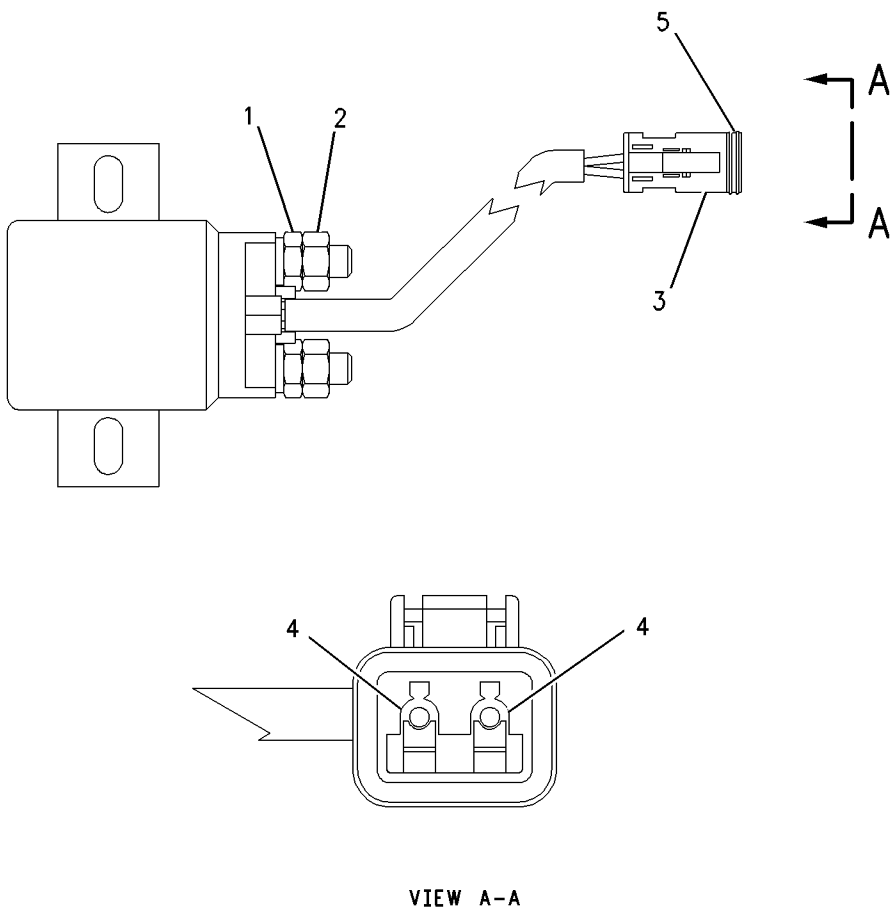
## *167-0138* SWITCH GP-MAGNETIC

S/N: AKA1-UP

PART OF 175-7017 PANEL GP-RELAY

SMCS-7499

i01502161




GRAPHIC #1

g00725773

# ELECTRICAL AND STARTING SYSTEM

## *161-1503* WIRING GP-ENGINE

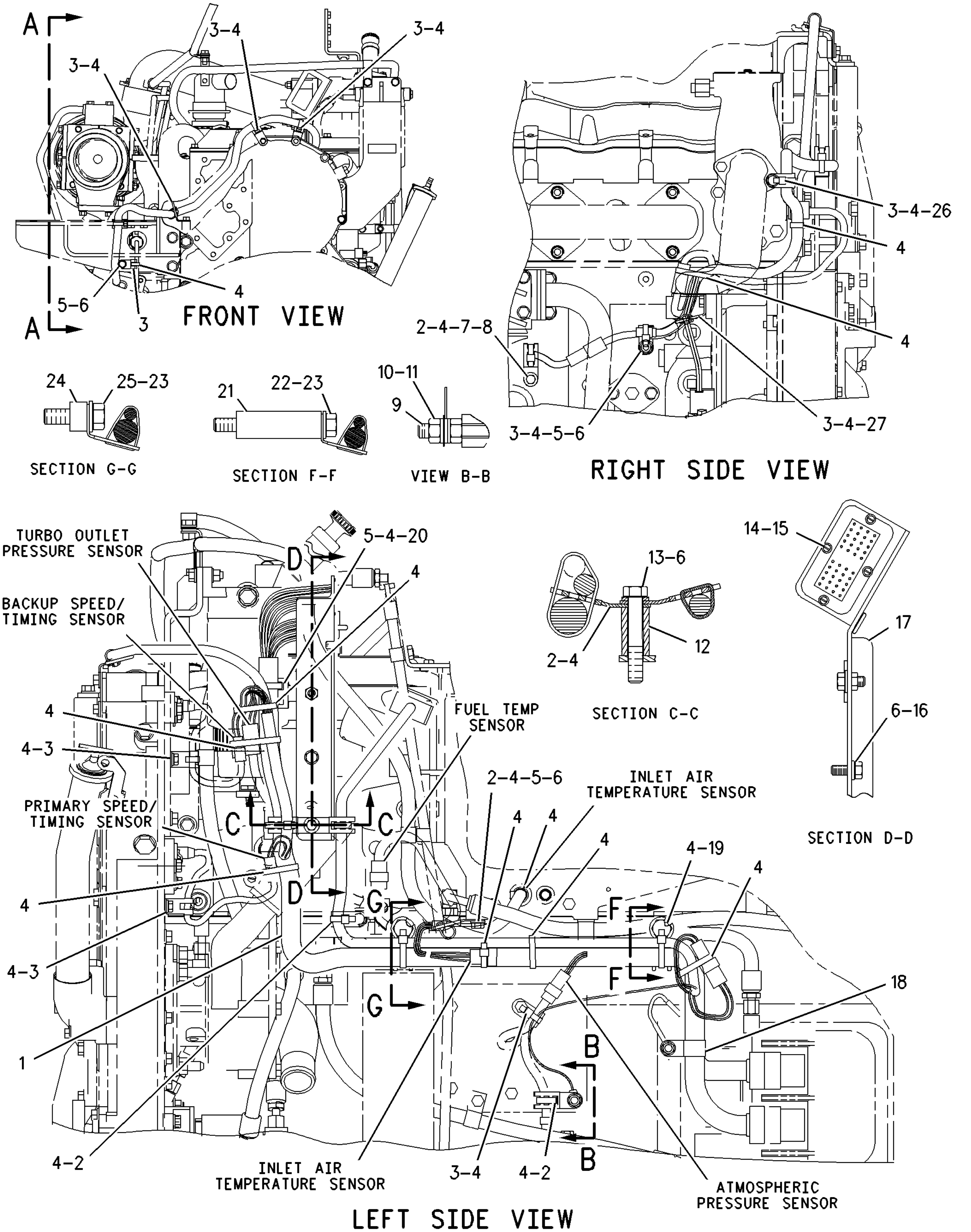
**S/N: BET1-UP**

**PART OF 157-7195, 157-7196 ENGINE AR-COMPLETE**

**SMCS-1403, 1408** **i01481046**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **145-3850** | 1 | HARNESS AS-ENGINE | |
| | | 1 | **155-2270** | 4 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **102-8803** | 3 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **102-8812** | 4 | SEAL-INTERFACE | |
| | | 1 | **102-8817** | 1 | SEAL-INTERFACE | |
| | 2 | 1 | **4P-7581** | 6 | CLIP | |
| | 3 | 1 | **4P-8134** | 10 | CLIP | |
| | 4 | 1 | **3S-2093** | 28 | STRAP-CABLE | |
| | 5 | 1 | **0S-0509** | 4 | BOLT (3/8-16X0.75 IN) | |
| | 6 | 1 | **5M-2894** | 5 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 7 | 1 | **2H-3755** | 1 | BOLT (5/16-18X0.62 IN) | |
| | 8 | 1 | **3E-4352** | 1 | WASHER-HARD (8.8X20.5X2.5MM THK) | |
| | 9 | 1 | **9M-3296** | 1 | STUD-TAPERLOCK | |
| | 10 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |
| | 11 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 12 | 1 | **2S-3770** | 1 | SPACER (33.5MM THK) | |
| | 13 | 1 | **0L-2070** | 1 | BOLT (3/8-16X2.25 IN) | |
| | 14 | 1 | **9X-6258** | 4 | SCREW-MACHINE (6-32X.50 IN) | |
| | 15 | 1 | **4B-5324** | 4 | WASHER (3.9X9.6X1.2MM THK) | |
| | 16 | 1 | **0L-1351** | 1 | BOLT (3/8-16X0.875 IN) | |
| | 17 | 1 | **175-2221** | 1 | BRACKET | |
| | 18 | 1 | **4D-7388** | 1 | CLIP | |
| | 19 | 1 | **104-6202** | 2 | CLIP | |
| | 20 | 1 | **178-1780** | 1 | CLIP | |
| | 21 | 1 | **8X-6439** | 1 | SPACER | |
| | 22 | 1 | **5L-2683** | 1 | BOLT | |
| | 23 | 1 | **5P-8247** | 2 | WASHER-HARD (17X32X3.5MM THK) | |
| | 24 | 1 | **9R-9733** | 1 | BOSS | |
| | 25 | 1 | **0S-1576** | 1 | BOLT (5/8-18X2IN) | |
| | 26 | 1 | **0S-1588** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 27 | 1 | **0S-1590** | 1 | BOLT (3/8-16X2 IN) | |

*161-1503* **WIRING GP-ENGINE** ***(contd.)*** **i01481046**




GRAPHIC #1 g00771081

# *159-9264* WIRING GP-PLATFORM

**S/N: AKA1-UP**

**PART OF 157-0819 CHASSIS AR**

**SMCS-1408** **i01486743**

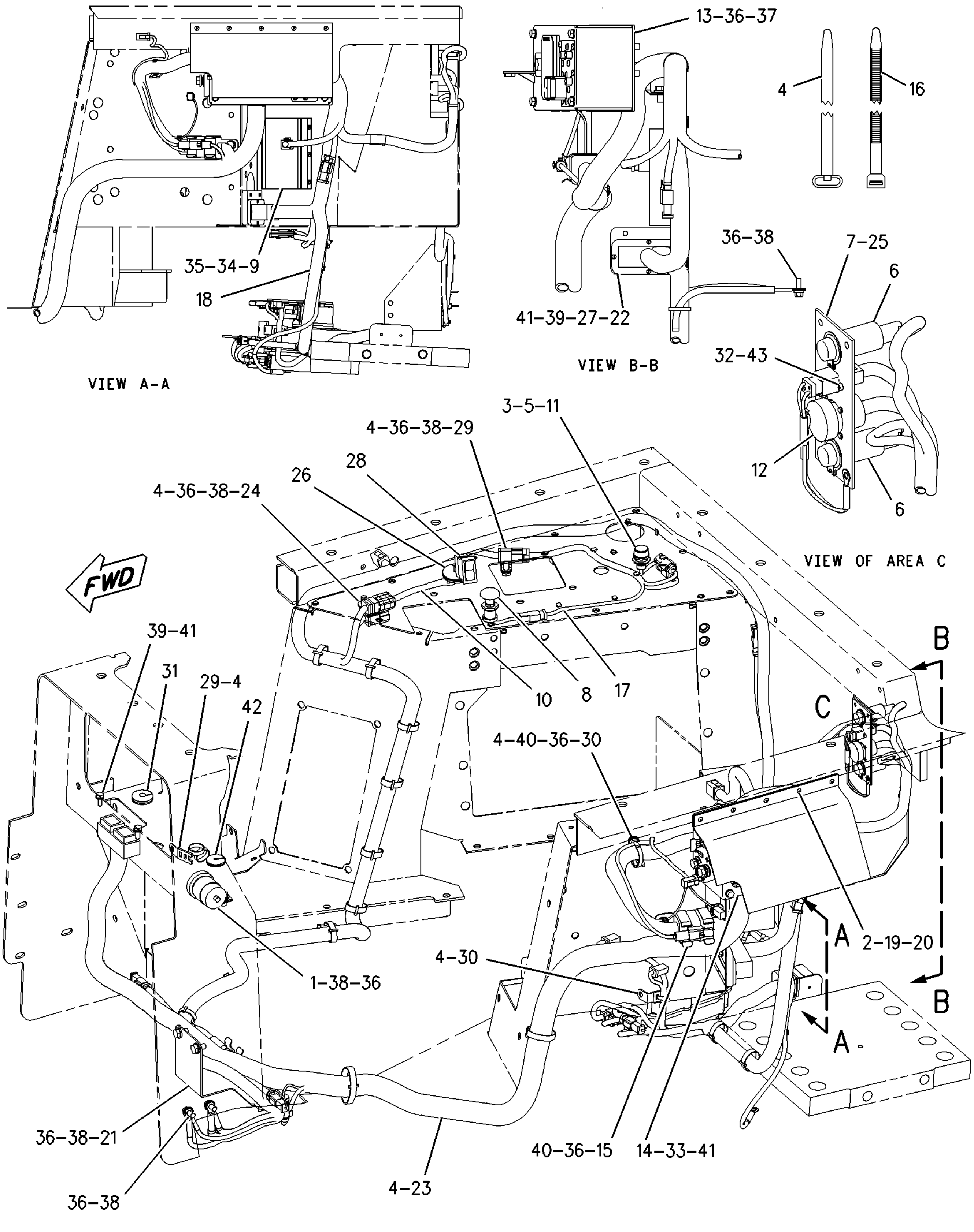
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **3E-6328** | 1 | ALARM GP | 188 |
| | 2 | 1 | **4K-9429** | 5 | RIVET-POP | |
| | 3 | 1 | **6T-7058** | 1 | LENS-RED | |
| B | 4 | 1 | **7K-1181** | | STRAP-CABLE | |
| | 5 | 1 | **7N-1996** | 1 | LAMP (28 VOLT) | |
| | 6 | 1 | **117-2311** | 2 | RECEPTACLE AS-POWER (12 VOLT) | |
| | 7 | 1 | **128-6157** | 1 | PLATE | |
| | 8 | 1 | **158-6632** | 1 | SWITCH AS-HORN | |
| | | 1 | **2H-3922** | 1 | LOCKWASHER | |
| | | 1 | **3B-4501** | 1 | LOCKWASHER | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **5L-7200** | 1 | SCREW (8-32X0.375 IN) | |
| | | 1 | **6V-8370** | 1 | NUT-HEX (3/4-32 THD) | |
| | | 1 | **7T-9515** | 1 | KNOB-HORN | |
| | | 1 | **9X-0199** | 1 | BOOT-SWITCH | |
| | | 1 | **9X-3401** | 2 | PIN-CONNECTOR | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 9 | 1 | **159-1549** | 1 | CONVERTER-POWER (24 VOLTS TO 12 VOLTS) | |
| | 10 | 1 | **160-5574** | 1 | HARNESS AS (THROTTLE) | |
| | | 1 | **102-8811** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | | | | (INCLUDES PLUG AS, SEAL-INTERFACE & WEDGE) | |
| | 11 | 1 | **170-3461** | 1 | BASE AS-LIGHT | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **3T-0304** | 1 | BASE-INDICATOR LIGHT | |
| | | 1 | **6V-8374** | 2 | SCREW-MACHINE (6-32X0.25 IN) | |
| BD | | 1 | **5P-5623** | | WIRE (16 GA) | |
| BD | | 1 | **6V-2689** | | TUBE-SHRINKABLE | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| E | | 1 | **9X-1813** | | SLEEVE (8CM) | |
| | 12 | 1 | **173-1566** | | CAP AS | |
| BD | | 1 | **5P-3075** | | WIRE | |
| BE | | 1 | **125-7875** | | TUBE-SHRINKABLE | |
| | | 1 | **155-2262** | 1 | WEDGE-PLUG LOCK | |
| | | 1 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 13 | 1 | **175-7016** | 1 | PLATE AS | |
| Y | 14 | 1 | **175-7017** | 1 | PANEL GP-RELAY | 256 |
| | 15 | 1 | **180-8066** | 1 | PLATE AS | |
| | | 1 | **6V-6716** | 2 | RIVET-TRUSS HEAD | |
| | | 1 | **109-1645** | 1 | CLIP | |
| B | 16 | 1 | **193-3973** | | TIE-WRAP | |
| | 17 | 1 | **194-9380** | 1 | HARNESS AS (RH CONSOLE) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH CONNECTING PLUG INCLUDES PLUG AS & WEDGE) | |
| | 18 | 1 | **195-9354** | 1 | WIRE AS | |
| | 19 | 1 | **196-8946** | 1 | STRIP | |
| | 20 | 1 | **196-8950** | 1 | PLATE | |
| | 21 | 1 | **197-4628** | 1 | PLATE AS | |
| | | 1 | **6V-6716** | 2 | RIVET-TRUSS HEAD | |

## *159-9264* **WIRING GP-PLATFORM** *(contd.)* i01486743

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 1 | **109-1645** | 1 | CLIP | |
| | 22 | 1 | **199-4010** | 1 | SPACER | |
| | 23 | 1 | **199-9798** | 1 | HARNESS AS (PLATFORM) | |
| | | 1 | **102-8802** | 9 | KIT-RECEPTACLE (2 PIN) | |
| | | 1 | **102-8803** | 2 | KIT-RECEPTACLE (3 PIN) | |
| | | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | 1 | **102-8806** | 2 | KIT-RECEPTACLE (8 PIN) | |
| | | 1 | **102-8801** | 2 | KIT-RECEPTACLE (12 PIN) | |
| | | 1 | **177-9653** | 1 | KIT-RECEPTACLE | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2265** | 2 | KIT-CONNECTING PLUG (8 PIN) | |
| | | 1 | **155-2260** | 2 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 11 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2271** | 2 | KIT-CONNECTING PLUG (4 PIN) | |
| | | 1 | **155-2274** | 1 | KIT-CONNECTING PLUG (6 PIN) | |
| | | 1 | **177-9656** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 24 | 1 | **130-5300** | 1 | CLIP | |
| | 25 | 1 | **141-4976** | 4 | SCREW-WASHER HEAD | |
| | 26 | 1 | **2G-1133** | 1 | GROMMET | |
| | 27 | 1 | **2N-3476** | 4 | SCREW-MACHINE (6-32X0.75 IN) | |
| | 28 | 1 | **105-9149** | 1 | SWITCH AS (24 VOLT)(ILLUMINATED) | |
| | 29 | 1 | **4P-7581** | 2 | CLIP | |
| | 30 | 1 | **4P-8134** | 2 | CLIP | |
| | 31 | 1 | **5F-9757** | 1 | GROMMET | |
| | 32 | 1 | **7D-6922** | 2 | LOCKNUT | |
| M | 33 | 1 | **7X-2538** | 4 | BOLT (M8X1.25X100MM) | |
| M | 34 | 1 | **107-3786** | 6 | BOLT (M4X.7X12MM) | |
| | 35 | 1 | **8T-0328** | 6 | WASHER-HARD (5.5X10X1MM THK) | |
| | 36 | 1 | **8T-4121** | 15 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 37 | 1 | **8T-4136** | 4 | BOLT (M10X1.5X25MM) | |
| M | 38 | 1 | **8T-4137** | 8 | BOLT (M10X1.5X20MM) | |
| M | 39 | 1 | **8T-4189** | 4 | BOLT (M8X1.25X20MM) | |
| M | 40 | 1 | **8T-4191** | 3 | BOLT (M10X1.5X16MM) | |
| | 41 | 1 | **8T-4224** | 8 | WASHER-HARD (8.8X16X2MM THK) | |
| | 42 | 1 | **9G-2673** | 1 | GROMMET | |
| | 43 | 1 | **9X-6258** | 2 | SCREW-MACHINE (6-32X.50 IN) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART
Y-SEPARATE ILLUSTRATION

*159-9264* **WIRING GP-PLATFORM** ***(contd.)*** **i01486743**




GRAPHIC #1 g00765441

## *194-4269* WIRING GP-THROTTLE

**S/N: AKA1-UP**

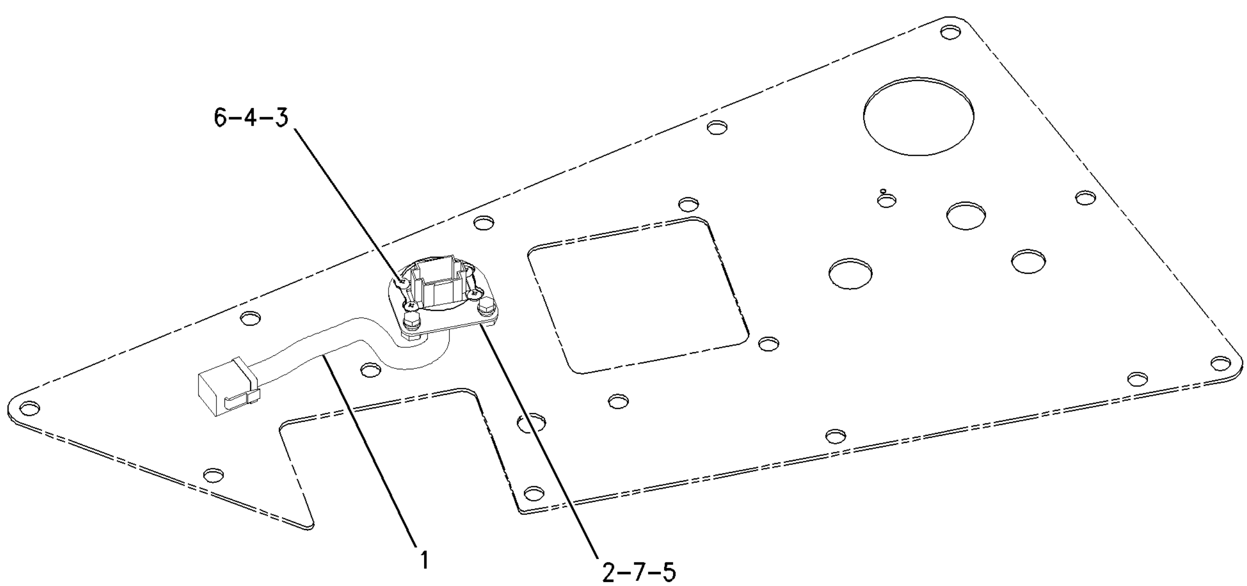
**ENCLOSED ROPS**

**PART OF 159-8367 CAB AR**

**SMCS-1408** **i01448455**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **194-1094** | 1 | HARNESS AS (EROPS THROTTLE JUMPER) | |
| | | 1 | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 2 | 1 | **194-4268** | 1 | PLATE AS | |
| M | | 1 | **6V-9632** | 2 | NUT-WELD (M6X1 THD) | |
| | 3 | 1 | **068-4209** | 4 | SCREW (8-32X0.75 IN) | |
| | 4 | 1 | **4B-4863** | 4 | WASHER (4.7X11X1.2MM THK) | |
| M | 5 | 1 | **5C-9553** | 2 | BOLT (M6X1X16MM) | |
| | 6 | 1 | **6D-5801** | 4 | NUT (8-32 THD) | |
| | 7 | 1 | **9X-8256** | 2 | WASHER (6.6X12X2MM THK) | |

M-METRIC PART




GRAPHIC #1

g00722595

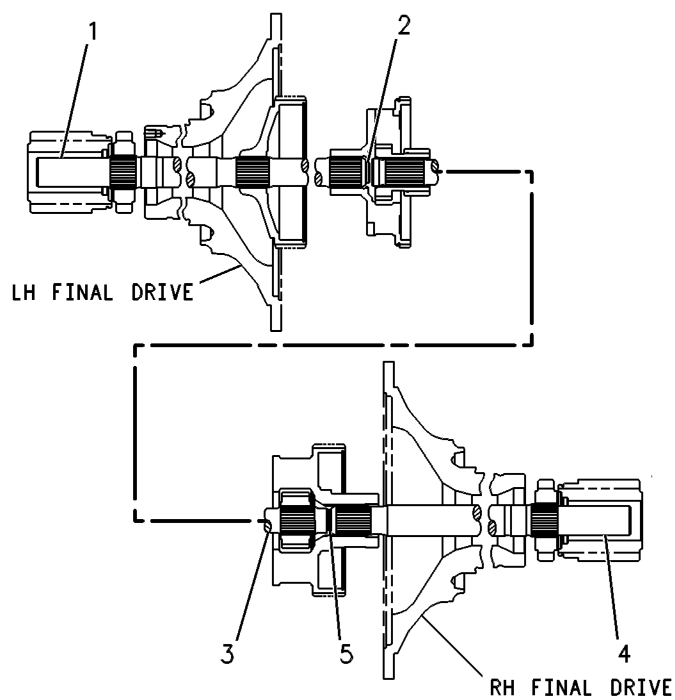
# *1Q-3056* AXLE GP-POWER TRAIN

S/N: AKA1-UP

PART OF 129-1330 GAUGE AR

SMCS-3013, 3259, 3278 i01323276

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Q-3059** | 1 | SHAFT AS-LH | |
| | 2 | 1 | **8E-0618** | 1 | BEARING-THRUST | |
| | 3 | 1 | **3T-5851** | 1 | SHAFT | |
| | 4 | 1 | **1Q-3057** | 1 | SHAFT AS-RH | |
| | 5 | 1 | **8E-0618** | 1 | BEARING-THRUST | |




GRAPHIC #1 g00255005

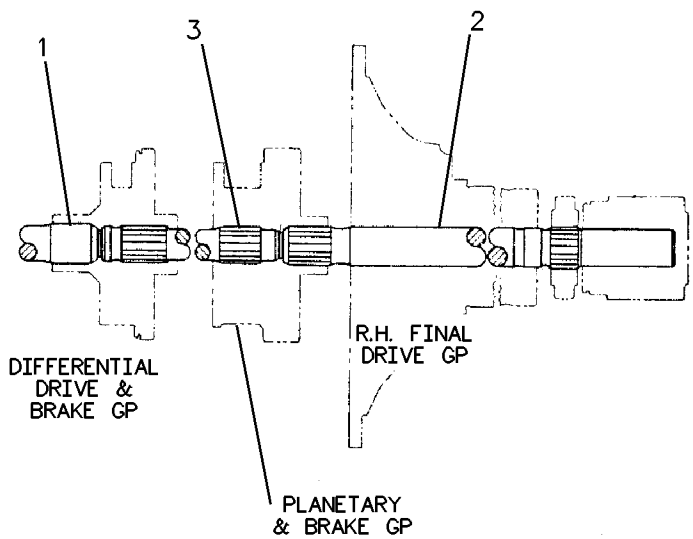
# *7T-8148* AXLE GP-POWER TRAIN

**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-3013, 3259, 3278** **i01065806**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-3519** | 1 | SHAFT AS-LH | |
| | | 1 | **8E-0618** | 1 | BEARING-THRUST | |
| | 2 | 1 | **8E-3518** | 1 | SHAFT AS-RH | |
| | | 1 | **8E-0618** | 1 | BEARING-THRUST | |
| | 3 | 1 | **3T-5851** | 1 | SHAFT | |




GRAPHIC #1 g00215398

# POWER TRAIN

## *6Y-3587* BRAKE & DIFFERENTIAL DRIVE GP

**S/N: AKA1-UP**

**PART OF 159-2542 BRAKE & DRIVE GP**

**SMCS-4131** **i00963683**

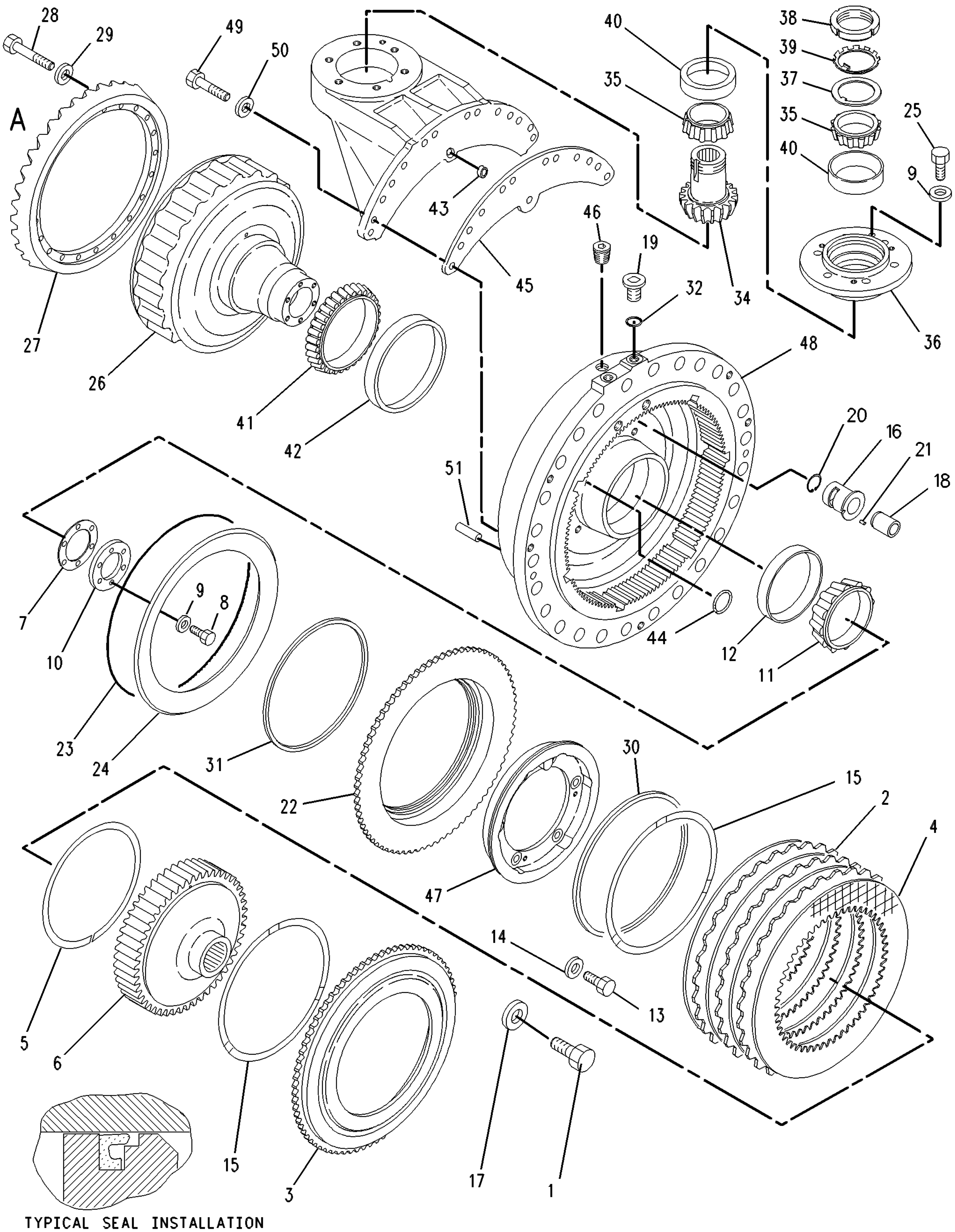
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **0S-1614** | 3 | BOLT | |
| | 2 | 1 | **7T-6994** | 3 | PLATE-CLUTCH & BRAKE | |
| | 3 | 1 | **7T-9832** | 1 | RETAINER | |
| | 4 | 1 | **6Y-9373** | 4 | DISC-FRICTION | |
| | 5 | 1 | **7T-1885** | 1 | RING | |
| | 6 | 1 | **6Y-3979** | 1 | HUB | |
| B | 7 | 1 | **3T-9272** | 1 | SHIM PACK (INCL 8 SHIMS) | |
| | 8 | 1 | **1A-2029** | 7 | BOLT (3/8-16X1.125IN) | |
| | 9 | 1 | **5M-2894** | 7 | WASHER (2.5MM THK) | |
| | 10 | 1 | **7T-9837** | 1 | PLATE | |
| | 11 | 1 | **2K-9295** | 1 | CONE-ROLLER BEARING | |
| | 12 | 1 | **3B-4124** | 1 | CUP-ROLLER BEARING | |
| | 13 | 1 | **2B-0947** | 6 | BOLT (1/2-13X2.25IN) | |
| | 14 | 1 | **5P-8245** | 6 | WASHER (3MM THK) | |
| | 15 | 1 | **6T-0850** | 2 | WASHER-THRUST | |
| | 16 | 1 | **6T-7863** | 1 | SLEEVE | |
| | 17 | 1 | **6V-7646** | 3 | WASHER-HARD (2MM THK) | |
| | 18 | 1 | **9W-6577** | 1 | SPOOL | |
| | 19 | 1 | **9S-8005** | 2 | PLUG-O-RING (3/4-16 THD) | |
| | 20 | 1 | **6J-7836** | 1 | RING-SNAP | |
| | 21 | 1 | **6D-9953** | 1 | PIN-SPRING | |
| | 22 | 1 | **6Y-3986** | 1 | PISTON | |
| | 23 | 1 | **3T-3601** | 1 | RING-SPACER | |
| | 24 | 1 | **6Y-2704** | 1 | SPRING-DISC | |
| | 25 | 1 | **2A-4639** | 1 | BOLT (3/8-16X1.625IN) | |
| | 26 | 1 | **136-1596** | 1 | HOUSING-ROTATING | |
| | 27 | 1 | **6Y-2574** | 1 | GEAR-BEVEL (97 TEETH) | |
| | 28 | 1 | **0L-1143** | 21 | BOLT (3/8X2.50IN) | |
| | 29 | 1 | **9L-9132** | 3 | WASHER (2.5MM THK) | |
| | 30 | 1 | **6P-5317** | 1 | RING-SEAL | |
| | 31 | 1 | **6Y-4003** | 1 | RING-SEAL | |
| | 32 | 1 | **3K-0360** | 2 | SEAL-O-RING (16.36MM ID) | |
| | 33 | 2 | **8E-8307** | 6 | DISC-THRUST | |
| | 34 | 1 | **6Y-2576** | 1 | PINION-BEVEL (27 TEETH) | |
| | 35 | 1 | **005-4834** | 2 | CONE-ROLLER BEARING | |
| | 36 | 1 | **6Y-3982** | 1 | CARRIER | |
| | 37 | 1 | **6P-1736** | 1 | WASHER-TONGUE | |
| | 38 | 1 | **9B-0576** | 1 | LOCKNUT-BEARING | |
| | 39 | 1 | **6P-1735** | 1 | LOCKWASHER | |
| | 40 | 1 | **7H-4566** | 2 | CUP-ROLLER BEARING | |
| | 41 | 1 | **6V-0855** | 1 | CONE-ROLLER BEARING | |
| | 42 | 1 | **2K-5069** | 1 | CUP-ROLLER BEARING | |
| | 43 | 1 | **9W-6770** | 1 | PLUG-CUP | |
| | 44 | 1 | **8M-4438** | 1 | SEAL-O-RING (17.12M ID) | |
| B | 45 | 1 | **9W-2853** | 1 | SHIM PACK (INCL 21 SHIMS) | |
| | 46 | 1 | **7W-6534** | 4 | PLUG-PIPE (3/8-18 NPTF THD) | |
| | 47 | 1 | **6Y-3991** | 1 | RETAINER | |
| | 48 | 1 | **6Y-3984** | 1 | HOUSING AS | |
| | 49 | 1 | **1A-1460** | 12 | BOLT (1/2-13X2IN) | |
| | 50 | 1 | **5P-8245** | 12 | WASHER (3MM THK) | |
| | 51 | 1 | **1A-2223** | 2 | DOWEL | |
| | 52 | 2 | **3S-2708** | 7 | PIN-SPRING | |
| | 53 | 2 | **6Y-0926** | 3 | GEAR-PLANETARY (23 TEETH) | |
| | 54 | 2 | **5M-0578** | 3 | BEARING | |
| | 55 | 2 | **8E-8310** | 8 | DISC-THRUST | |
| | 56 | 2 | **5M-7925** | 4 | BEARING-ROLLER | |

## *6Y-3587* **BRAKE & DIFFERENTIAL DRIVE GP** *(contd.)* i00963683

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 57 | 2 | **6T-0064** | 4 | SHAFT-PLANETARY | |
| | 58 | 2 | **3T-4824** | 4 | GEAR-PLANETARY (30 TEETH) | |
| | 59 | 2 | **9W-3939** | 1 | LOCKRING | |
| | 60 | 2 | **3T-4715** | 1 | GEAR-SUN (30/24 TEETH) | |
| | 61 | 2 | **9W-3937** | 1 | SPACER | |
| | 62 | 2 | **3T-5021** | 1 | CARRIER-PLANETARY | |
| | 63 | 2 | **9W-1571** | 1 | SLINGER | |
| B | | 2 | **1U-8846** | | SEALANT | |
| | 64 | 2 | **030-2135** | 4 | BOLT-LOCKING | |
| | 65 | 2 | **7G-1596** | 1 | RING-RETAINING | |
| | 66 | 2 | **9W-6102** | 1 | GEAR-RING (84 TEETH) | |
| | 67 | 2 | **9W-6103** | 1 | RING-THRUST | |
| | 68 | 2 | **3T-6963** | 1 | SEAL-RING | |
| | 69 | 2 | **6I-8724** | 1 | LOCKRING | |
| | 70 | 2 | **6Y-0984** | 1 | GEAR-RING (42 TEETH) | |
| | 71 | 2 | **6T-0062** | 1 | PLATE | |
| | 72 | 2 | **5K-9107** | 3 | BOLT-LOCKING (3/8-16X0.75IN) | |
| | 73 | 2 | **3T-5200** | 1 | CARRIER-PLANETARY | |
| | 74 | 2 | **7T-8130** | 1 | RING-RETAINING | |
| | 75 | 2 | **3T-4568** | 3 | SHAFT-PLANETARY | |

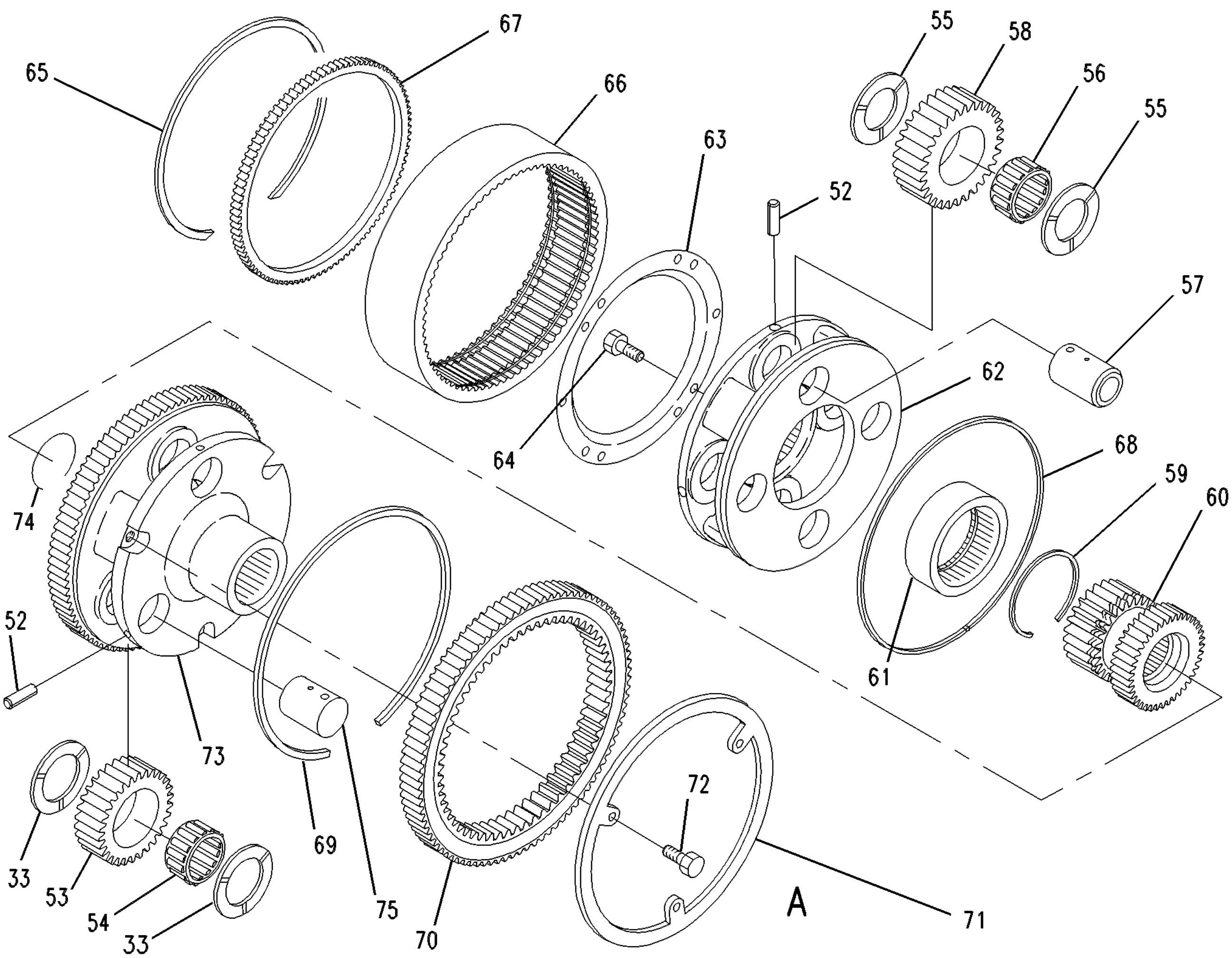
B-USE AS REQUIRED

6Y-3587 **BRAKE & DIFFERENTIAL DRIVE GP** *(contd.)* **i00963683**




GRAPHIC #1 g00491069

6Y-3587 **BRAKE & DIFFERENTIAL DRIVE GP** *(contd.)* **i00963683**




GRAPHIC #2

g00491070

## *157-5073* BRAKE & DRIVE GP

**S/N: AKA1-UP**

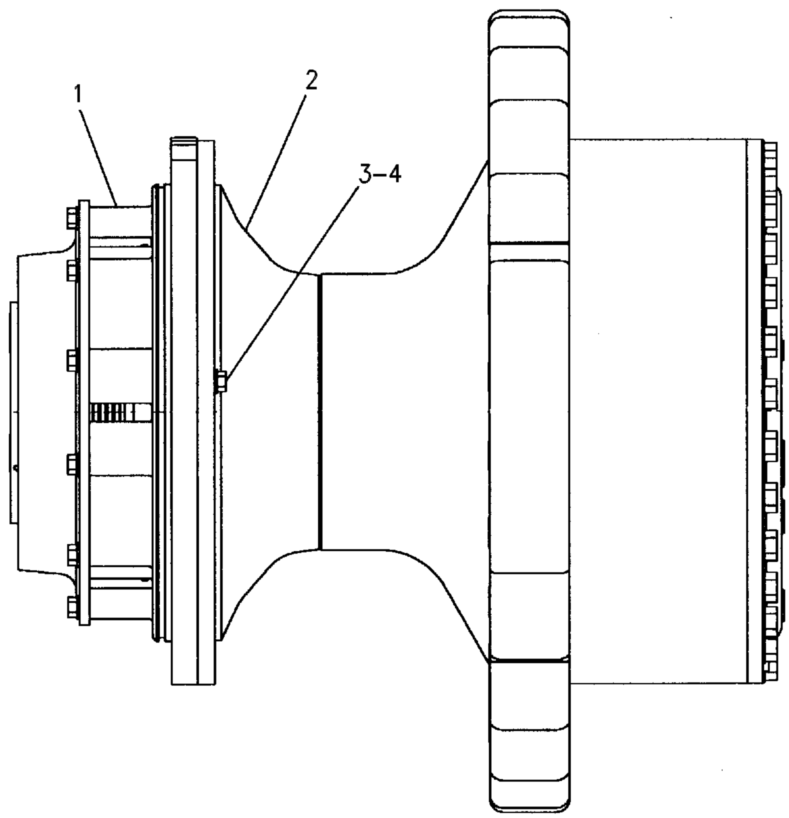
**PLANETARY**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-4050, 4132** **i01430440**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| YR | 1 | 1 | *6Y-3588* | 1 | BRAKE & PLANETARY GP | 300 |
| | 2 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| YR | 3 | 1 | **157-5072** | 1 | FINAL DRIVE GP | 316 |
| | 4 | 1 | **8T-8919** | 2 | BOLT (1/2-13X1.75 IN) | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00533505

# *159-2542* BRAKE & DRIVE GP

**S/N: AKA1-UP**

**DIFFERENTIAL**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-4050, 4132** **i01431419**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| YR | *6Y-3587* | 1 | BRAKE & DIFFERENTIAL DRIVE GP | 294 |
| YR | **157-5072** | 1 | FINAL DRIVE GP | 316 |
| | **8T-8919** | 2 | BOLT (1/2-13X1.75 IN) | |
| | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

# *6Y-3588* BRAKE & PLANETARY GP*R

**S/N: AKA1-UP**

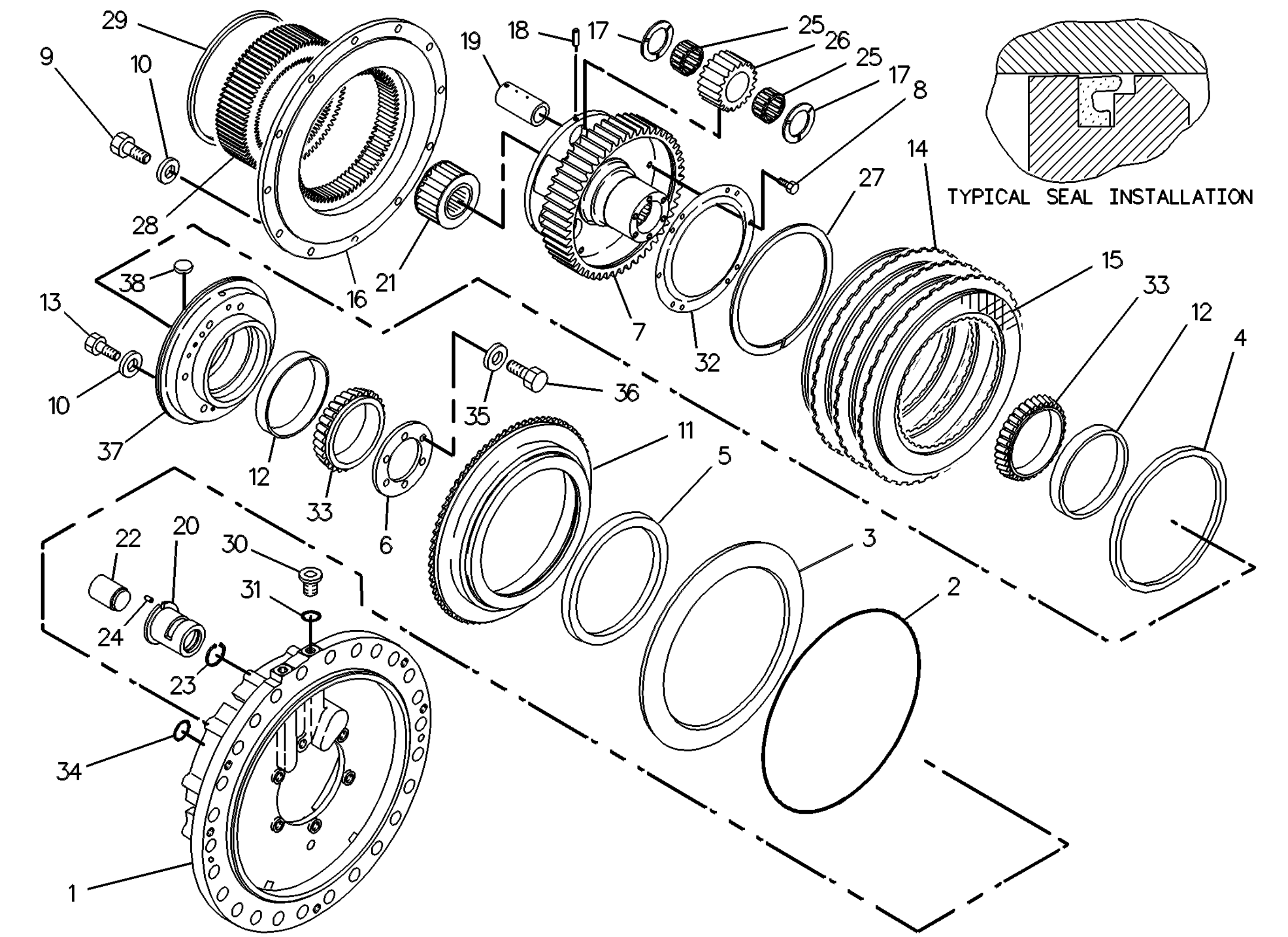
**PART OF 157-5073 BRAKE & DRIVE GP**

**SMCS-4050, 4132** **i00570481**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-3981** | 1 | HOUSING | |
| | 2 | 1 | **3T-3601** | 1 | RING-SPACER | |
| | 3 | 1 | **6Y-2704** | 1 | SPRING-DISC | |
| | 4 | 1 | **6P-5317** | 1 | RING-SEAL | |
| | 5 | 1 | **6Y-4003** | 1 | RING-SEAL | |
| | 6 | 1 | **7T-9837** | 1 | PLATE | |
| | 7 | 1 | **6Y-3980** | 1 | CARRIER-PLANETARY | |
| | 8 | 1 | **1C-0569** | 6 | BOLT (5/16-18X.5IN) | |
| | 9 | 1 | **0S-1585** | 12 | BOLT (1/2-13X1.50IN) | |
| | 10 | 1 | **5P-8245** | 18 | WASHER (3MM THK) | |
| | 11 | 1 | **6Y-3986** | 1 | PISTON | |
| | 12 | 1 | **9W-7926** | 2 | CUP-ROLLER BEARING | |
| | 13 | 1 | **2B-0947** | 6 | BOLT (1/2-13X2.25IN) | |
| | 14 | 1 | **7T-6994** | 3 | PLATE-CLUTCH & BRAKE | |
| | 15 | 1 | **6Y-9373** | 4 | DISC-FRICTION | |
| | 16 | 1 | **8E-4051** | 1 | HUB-BRAKE | |
| | 17 | 1 | **8E-8307** | 6 | DISC-THRUST | |
| | 18 | 1 | **3S-2708** | 3 | PIN-SPRING | |
| | 19 | 1 | **7T-8136** | 3 | SHAFT-PLANETARY | |
| | 20 | 1 | **6T-7863** | 1 | SLEEVE | |
| | 21 | 1 | **9W-3940** | 1 | GEAR AS (30 TEETH) | |
| | 22 | 1 | **9W-6577** | 1 | SPOOL | |
| | 23 | 1 | **6J-7836** | 1 | RING-SNAP | |
| | 24 | 1 | **6D-9953** | 1 | PIN-SPRING | |
| | 25 | 1 | **5M-0578** | 6 | BEARING | |
| | 26 | 1 | **9W-7481** | 3 | GEAR (23 TEETH) | |
| | 27 | 1 | **7T-1885** | 1 | RING | |
| | 28 | 1 | **8E-4052** | 1 | GEAR-RING (75 TEETH) | |
| | 29 | 1 | **3W-1852** | 1 | RING-RETAINER | |
| | 30 | 1 | **9S-8005** | 2 | PLUG-O-RING (3/4-16 THD) | |
| | 31 | 1 | **3K-0360** | 2 | SEAL-O-RING (16.36MM ID) | |
| | 32 | 1 | **3T-5807** | 1 | SLINGER | |
| B | | 1 | **1U-8846** | | GASKET-LIQUID | |
| | 33 | 1 | **9W-7925** | 2 | CONE-ROLLER BEARING | |
| | 34 | 1 | **8M-4438** | 1 | SEAL-O-RING (17.12M ID) | |
| | 35 | 1 | **5M-2894** | 6 | WASHER (2.5MM THK) | |
| | 36 | 1 | **1A-2029** | 6 | BOLT (3/8-16X1.125IN) | |
| | 37 | 1 | **6Y-4039** | 1 | RETAINER AS | |
| | 38 | 1 | **8S-0527** | 1 | PLUG-CUP | |

B-USE AS REQUIRED

*6Y-3588* **BRAKE & PLANETARY GP** ***(contd.)*** **i00570481**




GRAPHIC #1

g00257817

# POWER TRAIN

## *128-2723* CASE & PARTS GP-PLANETARY

**S/N: 6GY1-UP**

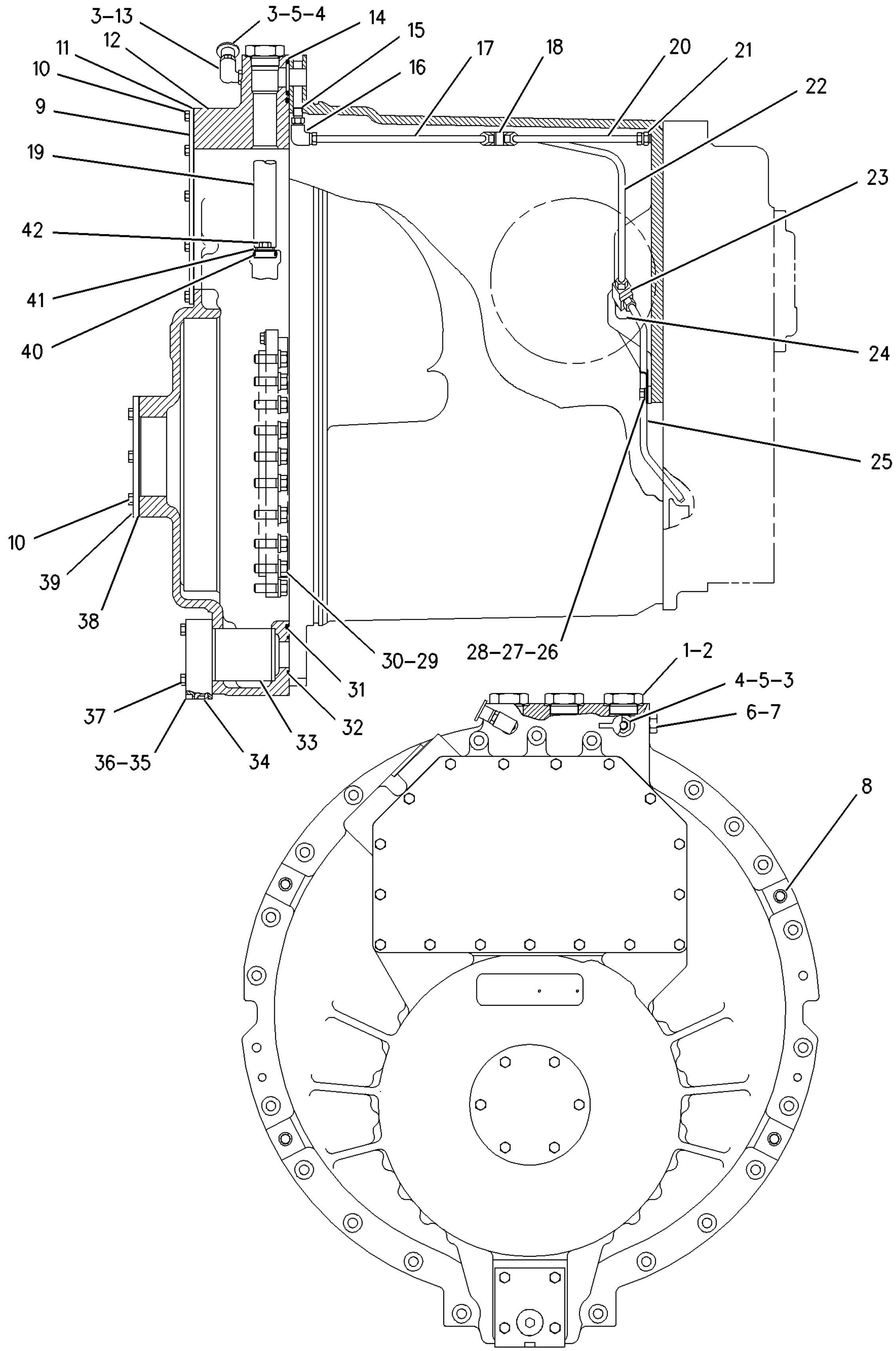
**PART OF 164-0234 TRANSMISSION AR**

**SMCS-3064** **i01486887**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-6130** | 3 | PLUG-O-RING | |
| | 2 | 1 | **2S-4078** | 3 | SEAL-O-RING | |
| | 3 | 1 | **3J-1907** | 3 | SEAL-O-RING | |
| | 4 | 1 | **6V-3965** | 2 | FITTING AS (QUICK DISCONNECT) | |
| | 5 | 1 | **6V-0852** | 2 | CAP-DUST | |
| | 6 | 1 | **9S-4190** | 1 | PLUG-O-RING | |
| | 7 | 1 | **2M-9780** | 1 | SEAL-O-RING | |
| | 8 | 1 | **8M-2530** | 4 | BOLT-12 POINT HEAD (1/2-13X1.25 IN) | |
| | 9 | 1 | **200-5370** | 1 | COVER (TRANSMISSION CASE) | |
| | 10 | 1 | **030-8535** | 23 | BOLT-LOCKING (3/8-16X0.875 IN) | |
| | 11 | 1 | **3T-9922** | 1 | GASKET-COVER | |
| | 12 | 1 | **108-7747** | 1 | COVER-TRANSMISSION | |
| | 13 | 1 | **6V-0484** | 1 | ADAPTER-O-RING | |
| | 14 | 1 | **9M-9647** | 3 | SEAL-O-RING | |
| | 15 | 1 | **5P-8998** | 1 | FITTING (1/4-18 NPTF THD) | |
| | 16 | 1 | **9S-7710** | 1 | ELBOW-FLARED | |
| | 17 | 1 | **7T-8875** | 1 | TUBE AS | |
| | 18 | 1 | **5K-9988** | 1 | TEE-INVERTED FLARED | |
| | 19 | 1 | **9P-1475** | 1 | SLEEVE | |
| | 20 | 1 | **7T-8876** | 1 | TUBE AS | |
| | 21 | 1 | **5K-9246** | 1 | CONNECTOR-FLARED | |
| | 22 | 1 | **9W-5334** | 1 | TUBE AS | |
| | 23 | 1 | **6K-8498** | 1 | TEE-FLARED | |
| | 24 | 1 | **7J-8611** | 1 | ELBOW | |
| | 25 | 1 | **9W-4159** | 1 | TUBE AS | |
| | 26 | 1 | **0T-0102** | 1 | BOLT (3/8-16X0.625 IN) | |
| | 27 | 1 | **5M-2894** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 28 | 1 | **8H-1603** | 1 | CLIP | |
| | 29 | 1 | **5P-8245** | 21 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 30 | 1 | **0S-1585** | 21 | BOLT (1/2-13X1.50 IN) | |
| | 31 | 1 | **5P-4057** | 1 | SEAL-O-RING | |
| | 32 | 1 | **8M-5661** | 1 | SEAL-O-RING | |
| | 33 | 1 | **8S-9130** | 1 | SCREEN-SUCTION | |
| | 34 | 1 | **8T-6762** | 1 | PLUG-PIPE | |
| Y | 35 | 1 | **106-4150** | 1 | DRAIN GP-ECOLOGY | 308 |
| | 36 | 1 | **6L-9965** | 1 | SEAL-O-RING | |
| | 37 | 1 | **8T-2501** | 4 | BOLT (3/8-16X2 IN) | |
| | 38 | 1 | **8P-0058** | 1 | GASKET-COVER | |
| | 39 | 1 | **9G-8615** | 1 | COVER | |
| | 40 | 1 | **8M-4432** | 2 | SEAL-O-RING | |
| | 41 | 1 | **5K-5120** | 1 | STRIP | |
| | 42 | 1 | **031-0218** | 1 | BOLT-LOCKING | |
| | 43 | 2 | **190-2278** | 1 | CASE AS | |
| | 44 | 2 | **4B-9785** | 1 | BALL | |
| | 45 | 2 | **1A-2610** | 1 | DOWEL | |
| | 46 | 2 | **7M-1201** | 1 | DOWEL | |
| | 47 | 2 | **3F-3442** | 2 | DOWEL | |
| | 48 | 2 | **4B-9782** | 1 | BALL | |
| | 49 | 2 | **146-6669** | 1 | GASKET | |
| | 50 | 2 | **146-6670** | 1 | COVER | |
| | 51 | 2 | **9X-6458** | 6 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 52 | 2 | **0S-1594** | 6 | BOLT (3/8-16X1 IN) | |

Y-SEPARATE ILLUSTRATION

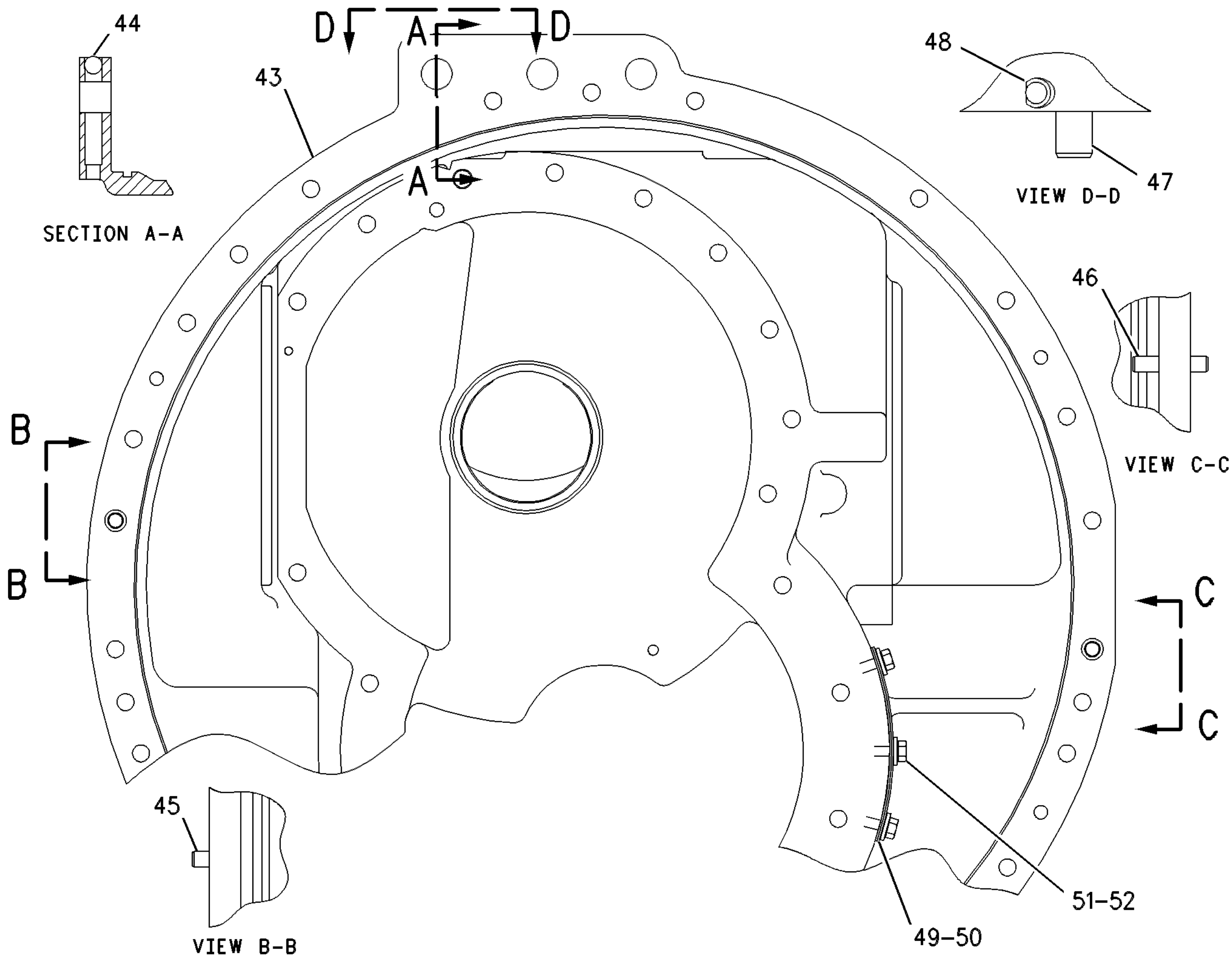
*128-2723* **CASE & PARTS GP-PLANETARY** ***(contd.)*** **i01486887**




GRAPHIC #1

g00750641

## *128-2723* CASE & PARTS GP-PLANETARY *(contd.)* i01486887




GRAPHIC #2 g00528747

# *172-5262* CONTROL & MTG GP-PEDAL

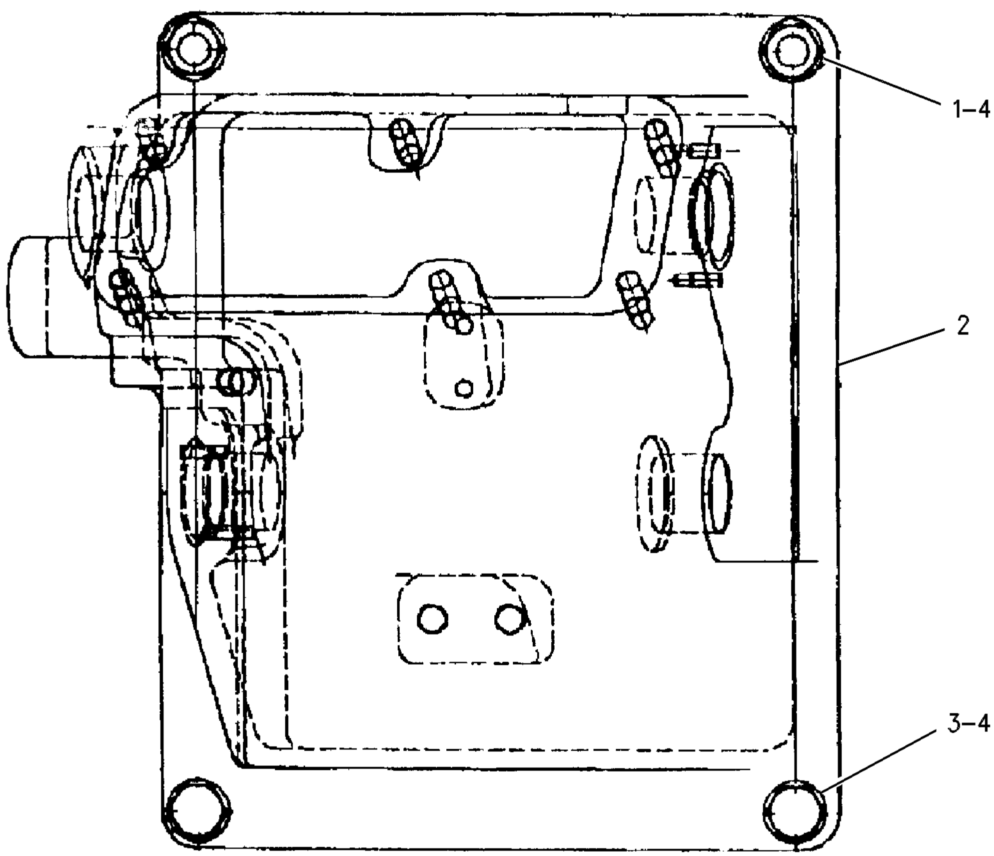
**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-1276** **i01431842**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| N | 1 | 1 | **171-7077** | 2 | ROD-THREADED | |
| M | | 1 | **8T-4133** | 2 | NUT (M10X1.5 THD) | |
| Y | 2 | 1 | *158-8079* | 1 | PEDAL GP-GOVERNOR & BRAKE | 334 |
| M | 3 | 1 | **8T-4195** | 2 | BOLT (M10X1.5X30MM) | |
| | 4 | 1 | **8T-4121** | 4 | WASHER-HARD (11X21X2.5MM THK) | |

M-METRIC PART
N-NEW PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00569736

## *163-5641* CONTROL GP-TRANSMISSION HYD

**S/N: 6GY1-UP**

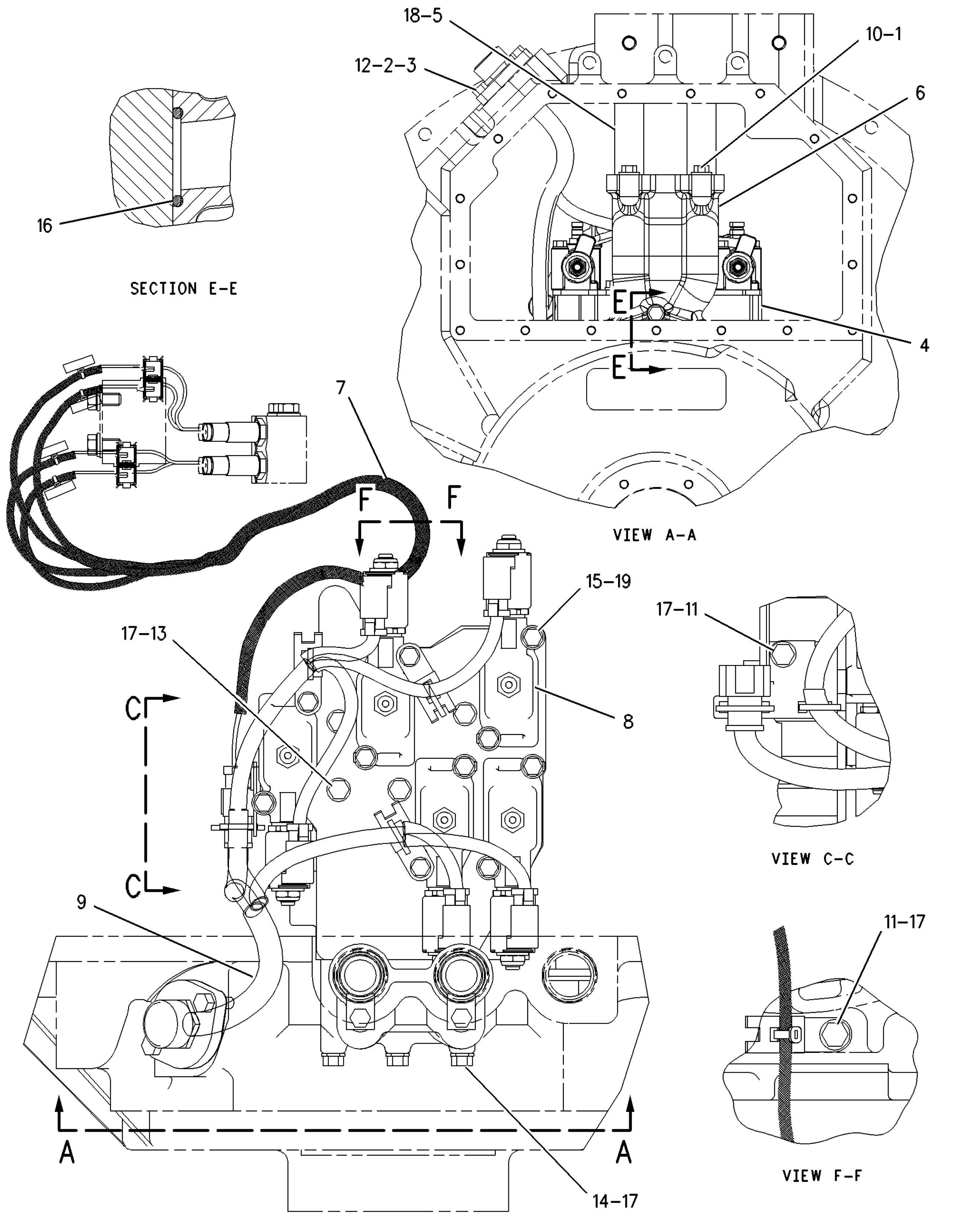
**PART OF 164-0234 TRANSMISSION AR**

**SMCS-3073** **i01486893**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5K-5120** | 2 | STRIP | |
| | 2 | 1 | **104-6729** | 1 | RETAINER | |
| | 3 | 1 | **104-6730** | 1 | GASKET | |
| Y | 4 | 1 | **109-4365** | 1 | VALVE GP-RELIEF | 364 |
| | 5 | 1 | **110-2836** | 2 | SLEEVE | |
| | 6 | 1 | **124-5332** | 1 | ELBOW | |
| | 7 | 1 | **144-7871** | 1 | HARNESS AS | |
| Y | 8 | 1 | **160-8408** | 5 | VALVE GP-MODULATING | 360 |
| | 9 | 1 | **167-6834** | 1 | HARNESS AS | |
| | 10 | 1 | **031-0218** | 2 | BOLT-LOCKING | |
| | 11 | 1 | **0S-0509** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 12 | 1 | **0S-1594** | 2 | BOLT (3/8-16X1 IN) | |
| | 13 | 1 | **0S-1619** | 4 | BOLT (3/8-16X3 IN) | |
| | 14 | 1 | **0T-0065** | 3 | BOLT (3/8-16X3.5 IN) | |
| | 15 | 1 | **1D-4540** | 10 | BOLT (5/16-18X2.75 IN) | |
| | 16 | 1 | **2H-3932** | 2 | SEAL-O-RING | |
| | 17 | 1 | **5M-2894** | 9 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 18 | 1 | **8M-4432** | 4 | SEAL-O-RING | |
| | 19 | 1 | **9M-1974** | 10 | WASHER-HARD (8.8X16X2MM THK) | |

Y-SEPARATE ILLUSTRATION

*163-5641* **CONTROL GP-TRANSMISSION HYD** ***(contd.)*** **i01486893**




GRAPHIC #1 g00570512

## 106-4150 DRAIN GP-ECOLOGY

**S/N: 6GY1-UP**

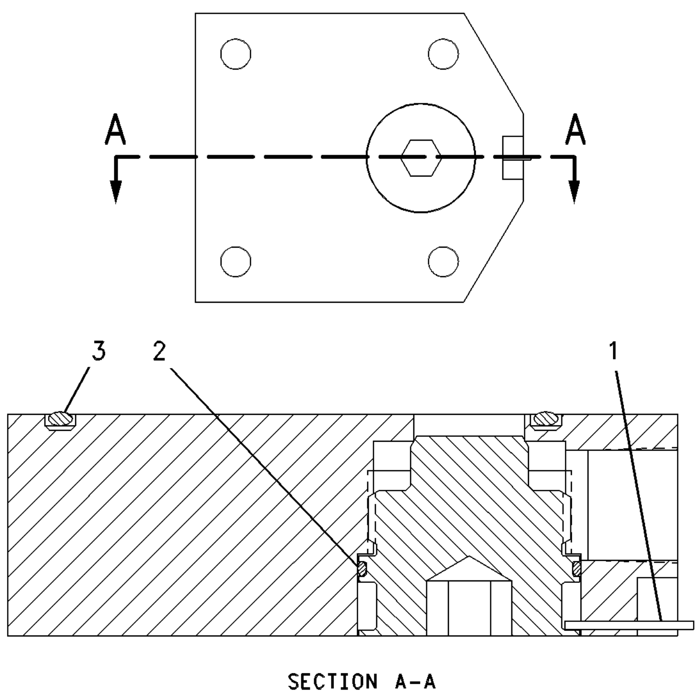
**ECOLOGY**

**PART OF 128-2723 CASE & PARTS GP-PLANETARY**

**SMCS-3100** **i01065592**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4N-3808** | 1 | PIN-SPRING | |
| | 2 | 1 | **5P-9658** | 1 | SEAL-O-RING | |
| A | 3 | 1 | **2H-3931** | 1 | SEAL-O-RING (82.14MM ID) | |

A-NOT PART OF THIS GROUP




GRAPHIC #1

g00543496

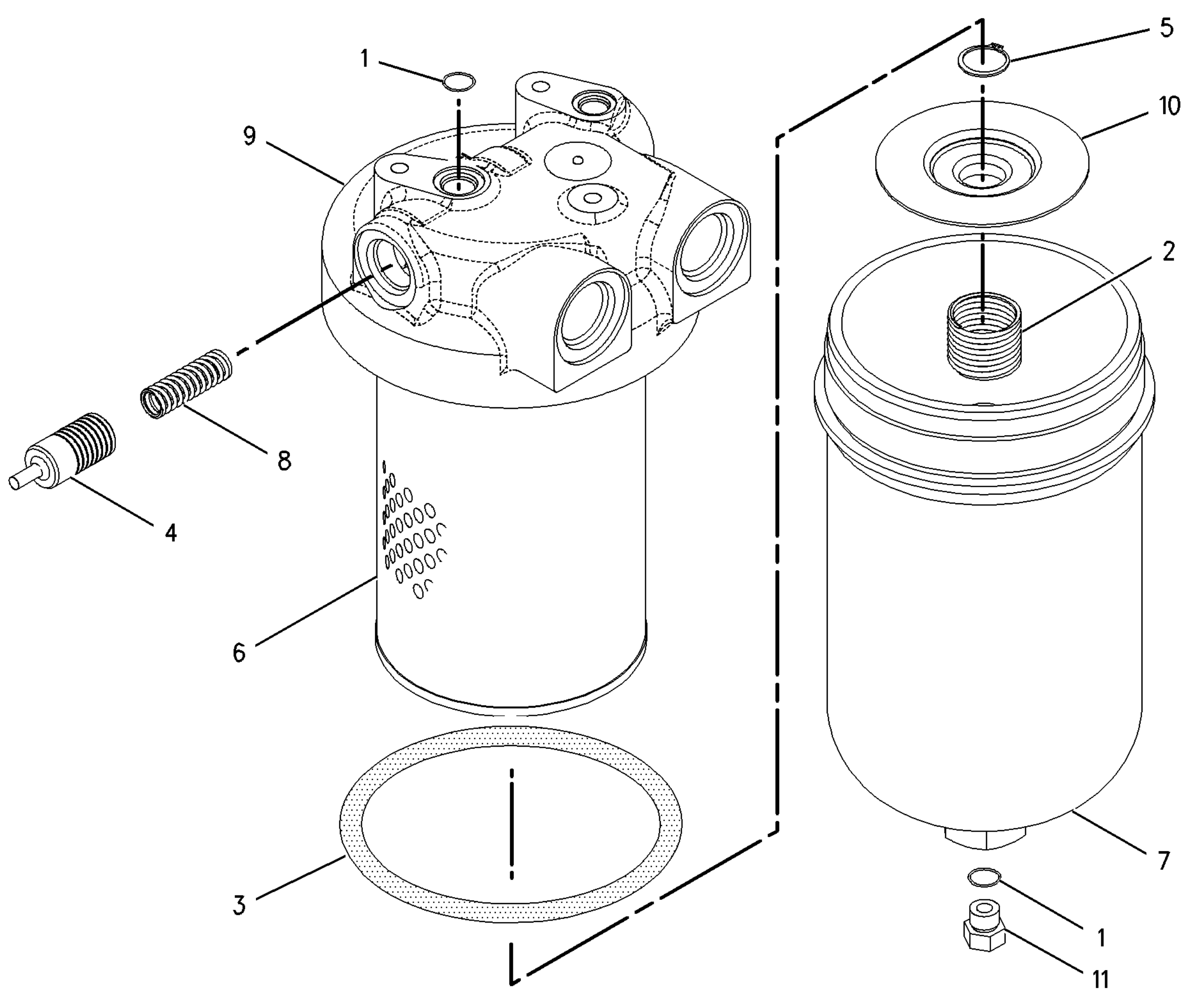
# *178-0568* FILTER GP-OIL

**S/N: AKA1-UP**

**PART OF 156-2542 LINES GP-POWER TRAIN OIL**

SMCS-3004 i01486855

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 2 | 1 | **3S-8652** | 1 | SPRING | |
| | 3 | 1 | **5P-3620** | 1 | SEAL-O-RING | |
| | 4 | 1 | **6T-9222** | 1 | SPOOL | |
| | 5 | 1 | **8M-6393** | 1 | RING-RETAINING | |
| | 6 | 1 | **132-8876** | 1 | FILTER ELEMENT AS-OIL (HYDRAULIC) | |
| | 7 | 1 | **133-1279** | 1 | HOUSING AS-OIL FILTER | |
| | 8 | 1 | **133-2199** | 1 | SPRING | |
| | 9 | 1 | **155-5745** | 1 | BASE-FILTER | |
| | 10 | 1 | **165-8079** | 1 | RETAINER | |
| | 11 | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |




GRAPHIC #1 g00770456

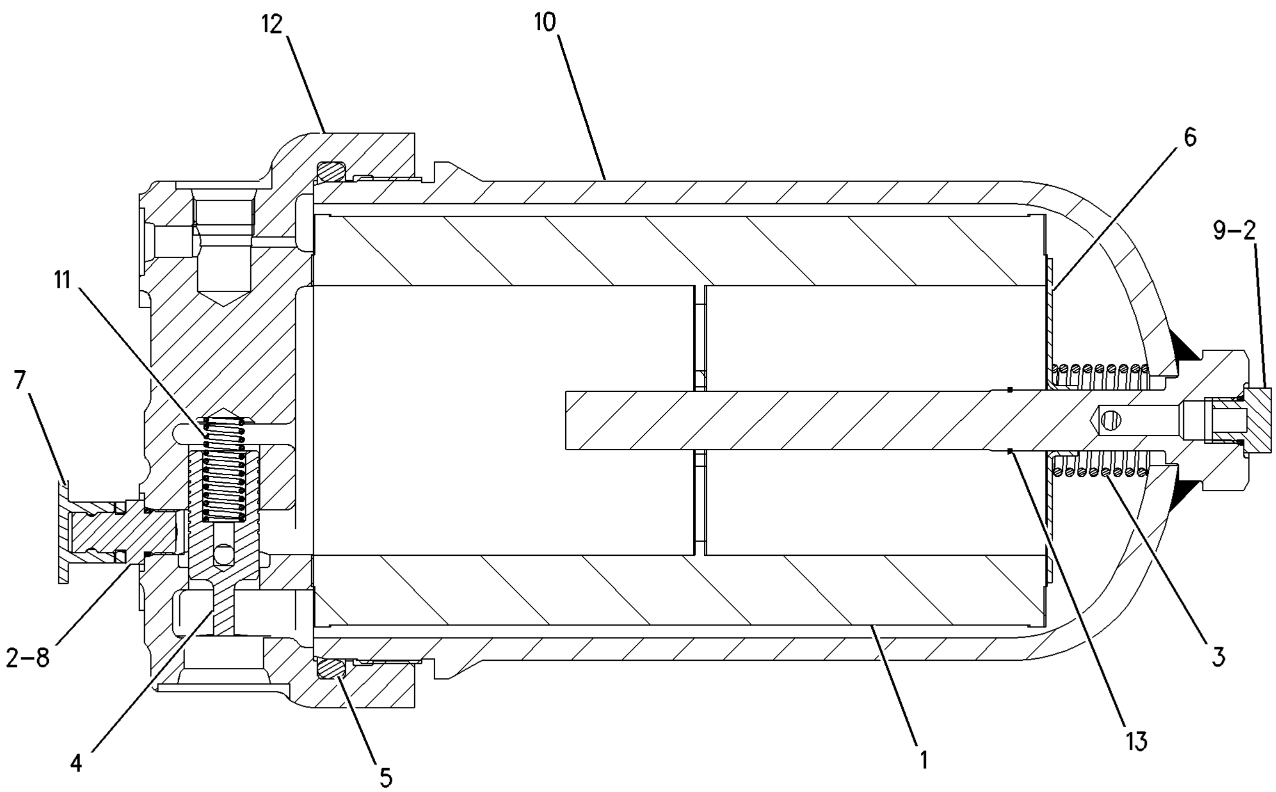
## *186-2379* FILTER GP-OIL

S/N: AKA1-UP

PART OF 156-2542 LINES GP-POWER TRAIN OIL

SMCS-3004 i01486844

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1R-0778** | 1 | FILTER ELEMENT AS-OIL (HYDRAULIC) | |
| | 2 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 3 | 1 | **3S-8652** | 1 | SPRING | |
| | 4 | 1 | **3T-0688** | 1 | SPOOL | |
| | 5 | 1 | **5P-3620** | 1 | SEAL-O-RING | |
| | 6 | 1 | **6P-5332** | 1 | RETAINER | |
| | 7 | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 8 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 9 | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |
| | 10 | 1 | **9G-8629** | 1 | HOUSING AS-OIL FILTER | |
| | 11 | 1 | **9M-1986** | 1 | SPRING | |
| | 12 | 1 | **155-5745** | 1 | BASE-FILTER | |
| | 13 | 1 | **2J-6356** | 1 | RING-RETAINING | |




GRAPHIC #1 g00679654

# MEMORANDA

# *128-0302* FINAL DRIVE GP

S/N: AKA1-UP

PART OF 199-0818 DISPOSAL AR-WASTE

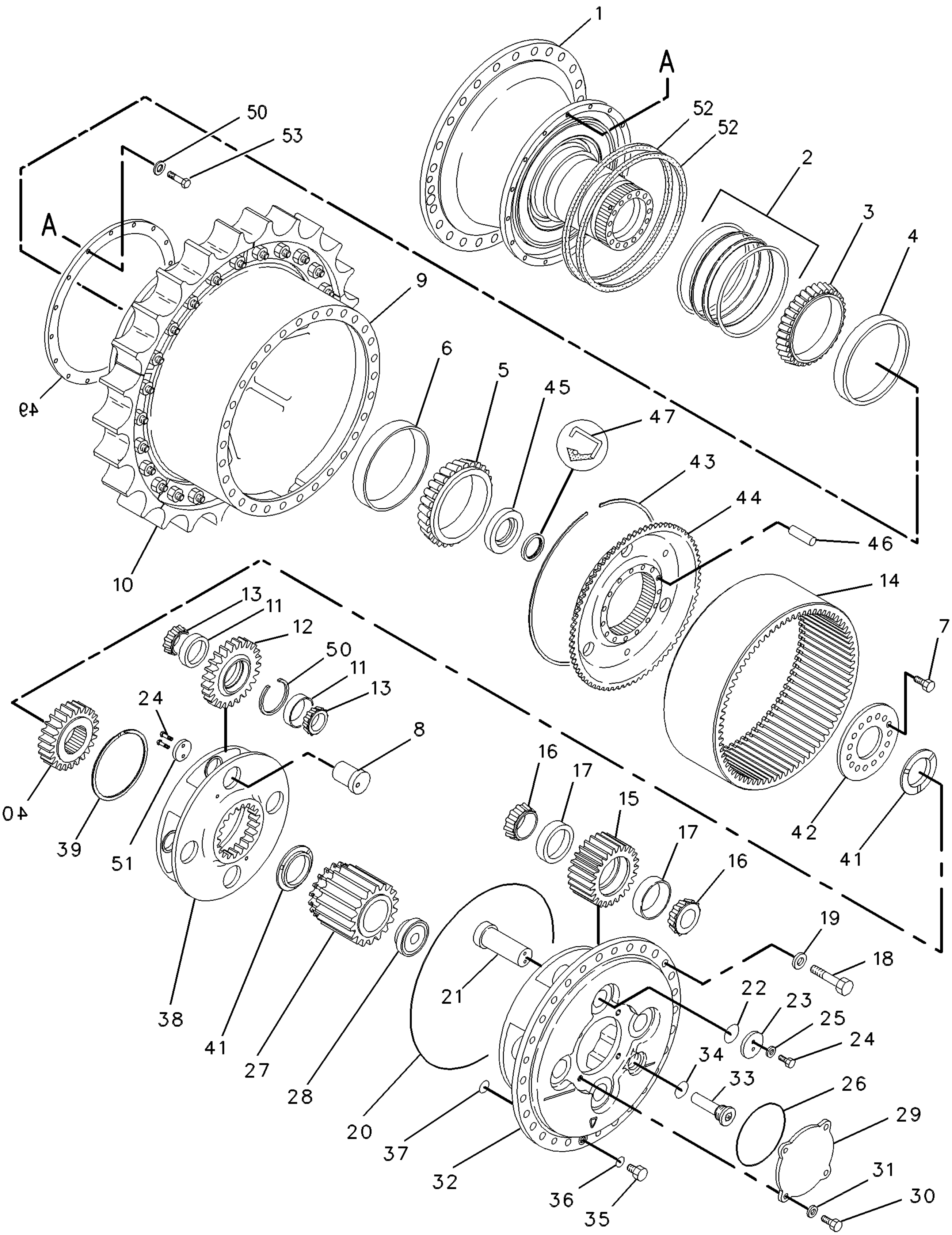
SMCS-4050 i01489167

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **136-6820** | 1 | HUB AS-SUPPORT | |
| | | 1 | **136-6821** | 1 | HUB-SUPPORT | |
| | | 1 | **137-4489** | 1 | GUARD | |
| | 2 | 1 | **133-0526** | 1 | SEAL GP-DUO-CONE | |
| | 3 | 1 | **6V-0663** | 1 | CONE-ROLLER BEARING | |
| | 4 | 1 | **6V-0662** | 1 | CUP-ROLLER BEARING | |
| | 5 | 1 | **6V-0664** | 1 | CONE-ROLLER BEARING | |
| | 6 | 1 | **5F-2465** | 1 | CUP-ROLLER BEARING | |
| | 7 | 1 | **5K-8454** | 15 | BOLT (1/2-13X1.12 IN) | |
| | 8 | 1 | **8E-7533** | 4 | SHAFT-PLANETARY (21 TEETH) | |
| | 9 | 1 | **137-4492** | 1 | HUB AS | |
| | | 1 | **137-4488** | 1 | GUARD | |
| Y | 10 | 1 | *156-5341* | 1 | SEGMENT GP-SPROCKET | 344 |
| | 11 | 1 | **1M-7911** | 8 | CUP-ROLLER BEARING | |
| | 12 | 1 | **157-5075** | 4 | GEAR (21 TEETH) | |
| | 13 | 1 | **1M-7912** | 8 | CONE-ROLLER BEARING | |
| | 14 | 1 | **9W-9393** | 1 | GEAR (62 TEETH) | |
| | 15 | 1 | **9W-3372** | 4 | GEAR (21 TEETH) | |
| | 16 | 1 | **7T-9526** | 8 | CONE-ROLLER BEARING | |
| | 17 | 1 | **7T-9527** | 8 | CUP-ROLLER BEARING | |
| | 18 | 1 | **7X-0366** | 29 | BOLT (3/4-10X2 IN) | |
| | 19 | 1 | **8T-4994** | 29 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 20 | 1 | **9H-0846** | 1 | SEAL-O-RING | |
| | 21 | 1 | **9W-3377** | 4 | SHAFT-GOVERNOR CONTROL | |
| | 22 | 1 | **3D-2895** | 4 | SEAL-QUAD RING | |
| | 23 | 1 | **9W-3378** | 4 | COVER | |
| | 24 | 1 | **034-3557** | 16 | BOLT-LOCKING (3/8-16X1.125 IN) | |
| | 25 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 26 | 1 | **8J-1665** | 1 | SEAL-O-RING | |
| | 27 | 1 | **9W-3373** | 1 | GEAR (18 TEETH) | |
| | 28 | 1 | **9W-3232** | 1 | RETAINER | |
| | 29 | 1 | **9W-9394** | 1 | COVER | |
| | 30 | 1 | **8T-8917** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 31 | 1 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 32 | 1 | **9W-9392** | 1 | CARRIER-PLANETARY | |
| | 33 | 1 | **6V-3298** | 1 | PLUG-MAGNETIC | |
| | 34 | 1 | **2S-4078** | 1 | SEAL-O-RING | |
| | 35 | 1 | **9S-4185** | 1 | PLUG-O-RING | |
| | 36 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 37 | 1 | **5F-7054** | 1 | SEAL-O-RING | |
| | 38 | 1 | **6Y-1336** | 1 | CARRIER-PLANETARY | |
| | 39 | 1 | **5P-8472** | 1 | RING-RETAINING | |
| | 40 | 1 | **7T-2524** | 1 | GEAR (18 TEETH) | |
| | 41 | 1 | **7T-2530** | 2 | RING-THRUST | |
| | 42 | 1 | **7G-5832** | 1 | RETAINER | |
| | 43 | 1 | **7G-5831** | 1 | RING-RETAINING | |
| | 44 | 1 | **8E-7532** | 1 | HUB-REACTION | |
| | 45 | 1 | **3T-5923** | 1 | RETAINER | |
| | 46 | 1 | **6T-2173** | 15 | PIN | |
| | 47 | 1 | **7X-4777** | 1 | SEAL-LIP | |
| | 48 | 1 | **2R-0098** | 1 | SEAL-O-RING | |
| | 49 | 1 | **137-4490** | 2 | RETAINER | |
| | 50 | 1 | **8T-4224** | 16 | WASHER-HARD (8.8X16X2MM THK) | |
| | 51 | 1 | **8E-7534** | 4 | RETAINER | |
| | 52 | 1 | **137-9810** | 2 | SEAL-PACKING | |
| | 53 | 1 | **8C-6561** | 16 | BOLT (5/16-18X1.375 IN) | |

*128-0302* **FINAL DRIVE GP** ***(contd.)*** **i01489167**

Y-SEPARATE ILLUSTRATION

*128-0302* **FINAL DRIVE GP** ***(contd.)*** **i01489167**




GRAPHIC #1 g00543848

# MEMORANDA

# 157-5072 FINAL DRIVE GP*R

**S/N: AKA1-UP**

**PART OF 157-5073, 159-2542 BRAKE & DRIVE GP**

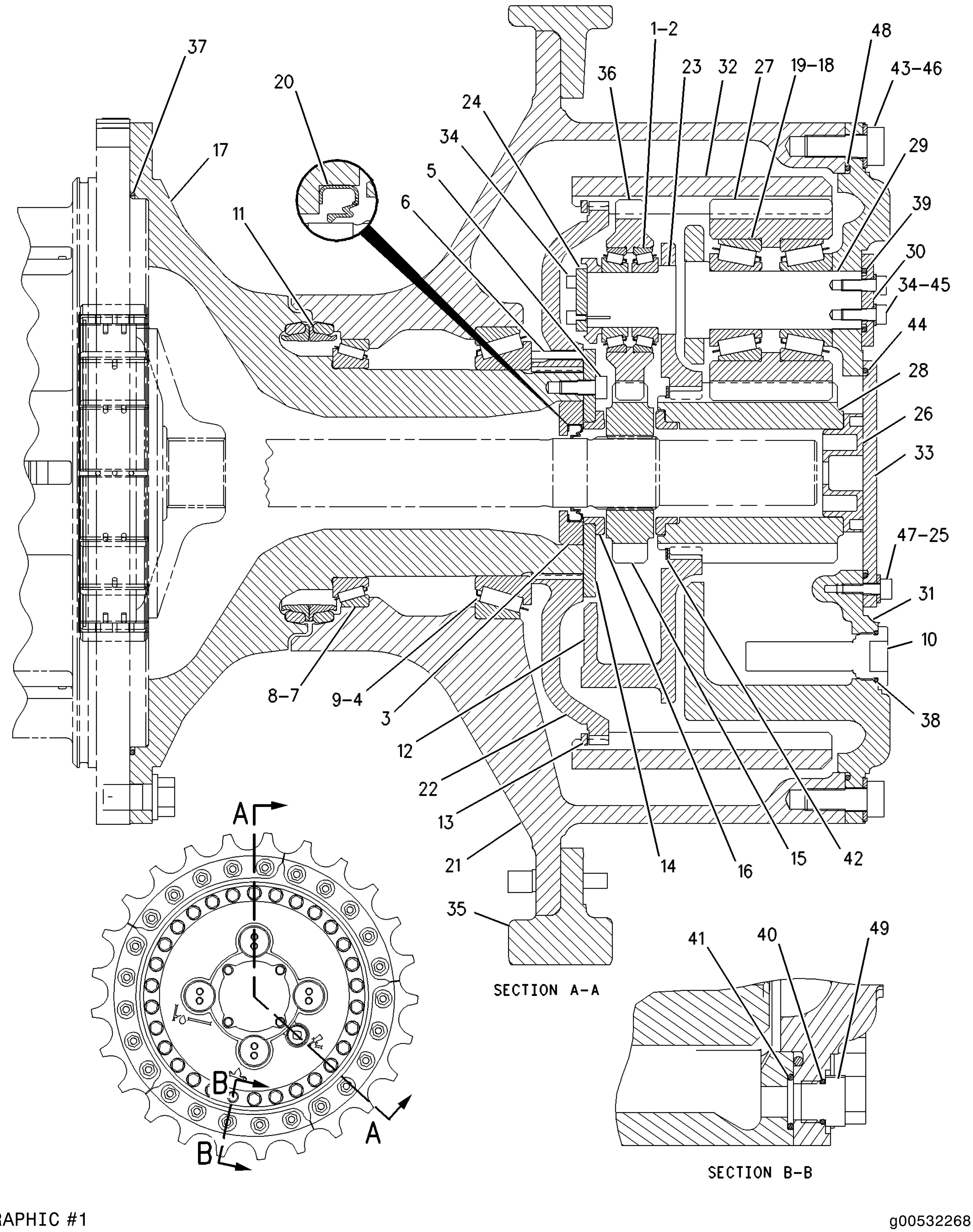
**SMCS-4050** **i01430460**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1M-7911** | 8 | CUP-ROLLER BEARING | |
| | 2 | 1 | **1M-7912** | 8 | CONE-ROLLER BEARING | |
| | 3 | 1 | **3T-5923** | 1 | RETAINER | |
| | 4 | 1 | **5F-2465** | 1 | CUP-ROLLER BEARING | |
| | 5 | 1 | **5K-8454** | 15 | BOLT (1/2-13X1.12 IN) | |
| | 6 | 1 | **6T-2173** | 15 | PIN | |
| | 7 | 1 | **6V-0662** | 1 | CUP-ROLLER BEARING | |
| | 8 | 1 | **6V-0663** | 1 | CONE-ROLLER BEARING | |
| | 9 | 1 | **6V-0664** | 1 | CONE-ROLLER BEARING | |
| | 10 | 1 | **6V-3298** | 1 | PLUG-MAGNETIC | |
| | 11 | 1 | **6Y-0860** | 1 | SEAL GP-DUO-CONE | |
| | 12 | 1 | **6Y-1336** | 1 | CARRIER-PLANETARY | |
| | 13 | 1 | **7G-5831** | 1 | RING-RETAINING | |
| | 14 | 1 | **7G-5832** | 1 | RETAINER | |
| | 15 | 1 | **7T-2524** | 1 | GEAR (18 TEETH) | |
| | 16 | 1 | **7T-2530** | 2 | RING-THRUST | |
| R | 17 | 1 | **7T-8001** | 1 | HUB-SPINDLE | |
| | 18 | 1 | **7T-9526** | 8 | CONE-ROLLER BEARING | |
| | 19 | 1 | **7T-9527** | 8 | CUP-ROLLER BEARING | |
| | 20 | 1 | **7X-4777** | 1 | SEAL-LIP | |
| | 21 | 1 | **8E-2481** | 1 | HUB-SPROCKET | |
| | 22 | 1 | **8E-7532** | 1 | HUB-REACTION | |
| | 23 | 1 | **8E-7533** | 4 | SHAFT-PLANETARY (21 TEETH) | |
| | 24 | 1 | **8E-7534** | 4 | RETAINER | |
| | 25 | 1 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 26 | 1 | **9W-3232** | 1 | RETAINER | |
| | 27 | 1 | **9W-3372** | 4 | GEAR (21 TEETH) | |
| | 28 | 1 | **9W-3373** | 1 | GEAR (18 TEETH) | |
| | 29 | 1 | **9W-3377** | 4 | SHAFT-GOVERNOR CONTROL | |
| | 30 | 1 | **9W-3378** | 4 | COVER | |
| | 31 | 1 | **9W-9392** | 1 | CARRIER-PLANETARY | |
| | 32 | 1 | **9W-9393** | 1 | GEAR (62 TEETH) | |
| | 33 | 1 | **9W-9394** | 1 | COVER | |
| | 34 | 1 | **034-3557** | 16 | BOLT-LOCKING (3/8-16X1.125 IN) | |
| Y | 35 | 1 | **156-5341** | 1 | SEGMENT GP-SPROCKET | 344 |
| | 36 | 1 | **157-5075** | 4 | GEAR (21 TEETH) (21 TEETH) | |
| | 37 | 1 | **2R-0098** | 1 | SEAL-O-RING (456.06MM ID) | |
| | 38 | 1 | **2S-4078** | 1 | SEAL-O-RING (37.46MM ID) | |
| | 39 | 1 | **3D-2895** | 4 | SEAL-QUAD RING | |
| | 40 | 1 | **3K-0360** | 1 | SEAL-O-RING (16.36MM ID) | |
| | 41 | 1 | **5F-7054** | 1 | SEAL-O-RING (18.64MM ID) | |
| | 42 | 1 | **5P-8472** | 1 | RING-RETAINING | |
| | 43 | 1 | **7X-0366** | 29 | BOLT (3/4-10X2 IN) | |
| | 44 | 1 | **8J-1665** | 1 | SEAL-O-RING (164.46MM ID) | |
| | 45 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 46 | 1 | **8T-4994** | 29 | WASHER-HARD (20X36.5X5MM THK) | |
| | 47 | 1 | **8T-8917** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 48 | 1 | **9H-0846** | 1 | SEAL-O-RING (494.66MM ID) | |
| | 49 | 1 | **9S-4185** | 1 | PLUG | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

## 157-5072 FINAL DRIVE GP *(contd.)*

i01430460




GRAPHIC #1

g00532268

## *159-7941* FINAL DRIVE GP

S/N: AKA1-UP

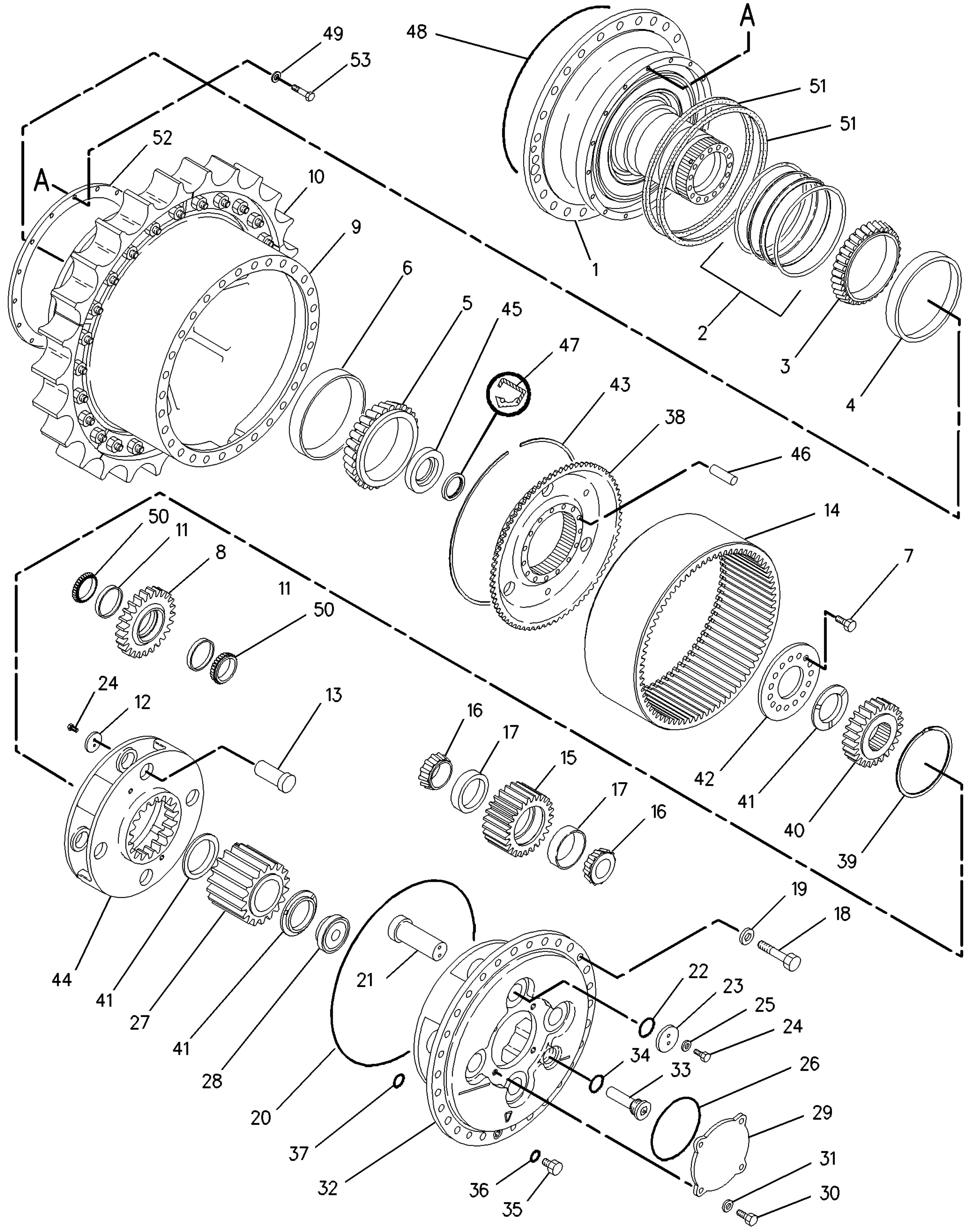
PART OF 159-8838 GUARD AR-FINAL DRIVE

SMCS-4050 i01488525

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **137-4491** | 1 | HUB AS | |
| | | 1 | **137-4489** | 1 | GUARD | |
| | 2 | 1 | **6Y-0860** | 1 | SEAL GP-DUO-CONE | |
| | 3 | 1 | **6V-0663** | 1 | CONE-ROLLER BEARING | |
| | 4 | 1 | **6V-0662** | 1 | CUP-ROLLER BEARING | |
| | 5 | 1 | **6V-0664** | 1 | CONE-ROLLER BEARING | |
| | 6 | 1 | **5F-2465** | 1 | CUP-ROLLER BEARING | |
| | 7 | 1 | **5K-8454** | 15 | BOLT (1/2-13X1.12 IN) | |
| | 8 | 1 | **157-5075** | 4 | GEAR (21 TEETH) | |
| | 9 | 1 | **137-4492** | 1 | HUB AS | |
| | | 1 | **137-4488** | 1 | GUARD | |
| Y | 10 | 1 | *156-5341* | 1 | SEGMENT GP-SPROCKET | 344 |
| | 11 | 1 | **1M-7911** | 8 | CUP-ROLLER BEARING | |
| | 12 | 1 | **8E-7534** | 4 | RETAINER | |
| | 13 | 1 | **8E-7533** | 4 | SHAFT-PLANETARY (21 TEETH) | |
| | 14 | 1 | **9W-9393** | 1 | GEAR (62 TEETH) | |
| | 15 | 1 | **9W-3372** | 4 | GEAR (21 TEETH) | |
| | 16 | 1 | **7T-9526** | 8 | CONE-ROLLER BEARING | |
| | 17 | 1 | **7T-9527** | 8 | CUP-ROLLER BEARING | |
| | 18 | 1 | **7X-0366** | 29 | BOLT (3/4-10X2 IN) | |
| | 19 | 1 | **8T-4994** | 29 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 20 | 1 | **9H-0846** | 1 | SEAL-O-RING | |
| | 21 | 1 | **9W-3377** | 4 | SHAFT-GOVERNOR CONTROL | |
| | 22 | 1 | **3D-2895** | 4 | SEAL-QUAD RING | |
| | 23 | 1 | **9W-3378** | 4 | COVER | |
| | 24 | 1 | **034-3557** | 16 | BOLT-LOCKING (3/8-16X1.125 IN) | |
| | 25 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 26 | 1 | **8J-1665** | 1 | SEAL-O-RING | |
| | 27 | 1 | **9W-3373** | 1 | GEAR (18 TEETH) | |
| | 28 | 1 | **9W-3232** | 1 | RETAINER | |
| | 29 | 1 | **9W-9394** | 1 | COVER | |
| | 30 | 1 | **8T-8917** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 31 | 1 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 32 | 1 | **9W-9392** | 1 | CARRIER-PLANETARY | |
| | 33 | 1 | **6V-3298** | 1 | PLUG-MAGNETIC | |
| | 34 | 1 | **2S-4078** | 1 | SEAL-O-RING | |
| | 35 | 1 | **9S-4185** | 1 | PLUG-O-RING | |
| | 36 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 37 | 1 | **5F-7054** | 1 | SEAL-O-RING | |
| | 38 | 1 | **8E-7532** | 1 | HUB-REACTION | |
| | 39 | 1 | **5P-8472** | 1 | RING-RETAINING | |
| | 40 | 1 | **7T-2524** | 1 | GEAR (18 TEETH) | |
| | 41 | 1 | **7T-2530** | 2 | RING-THRUST | |
| | 42 | 1 | **7G-5832** | 1 | RETAINER | |
| | 43 | 1 | **7G-5831** | 1 | RING-RETAINING | |
| | 44 | 1 | **6Y-1336** | 1 | CARRIER-PLANETARY | |
| | 45 | 1 | **3T-5923** | 1 | RETAINER | |
| | 46 | 1 | **6T-2173** | 15 | PIN | |
| | 47 | 1 | **7X-4777** | 1 | SEAL-LIP | |
| | 48 | 1 | **2R-0098** | 1 | SEAL-O-RING | |
| | 49 | 1 | **8T-4224** | 16 | WASHER-HARD (8.8X16X2MM THK) | |
| | 50 | 1 | **1M-7912** | 8 | CONE-ROLLER BEARING | |
| | 51 | 1 | **137-9810** | 2 | SEAL-PACKING | |
| | 52 | 1 | **137-4490** | 2 | RETAINER | |
| | 53 | 1 | **8C-6561** | 16 | BOLT (5/16-18X1.375 IN) | |

Y-SEPARATE ILLUSTRATION

*159-7941* **FINAL DRIVE GP** ***(contd.)*** **i01488525**




GRAPHIC #1 g00774956

# *156-9780* GEAR GP-BEVEL & TRANSFER

**S/N: 6GY1-UP**

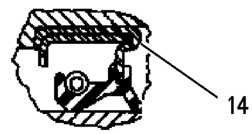
**PART OF 164-0234 TRANSMISSION AR**

**SMCS-3011** **i01431143**

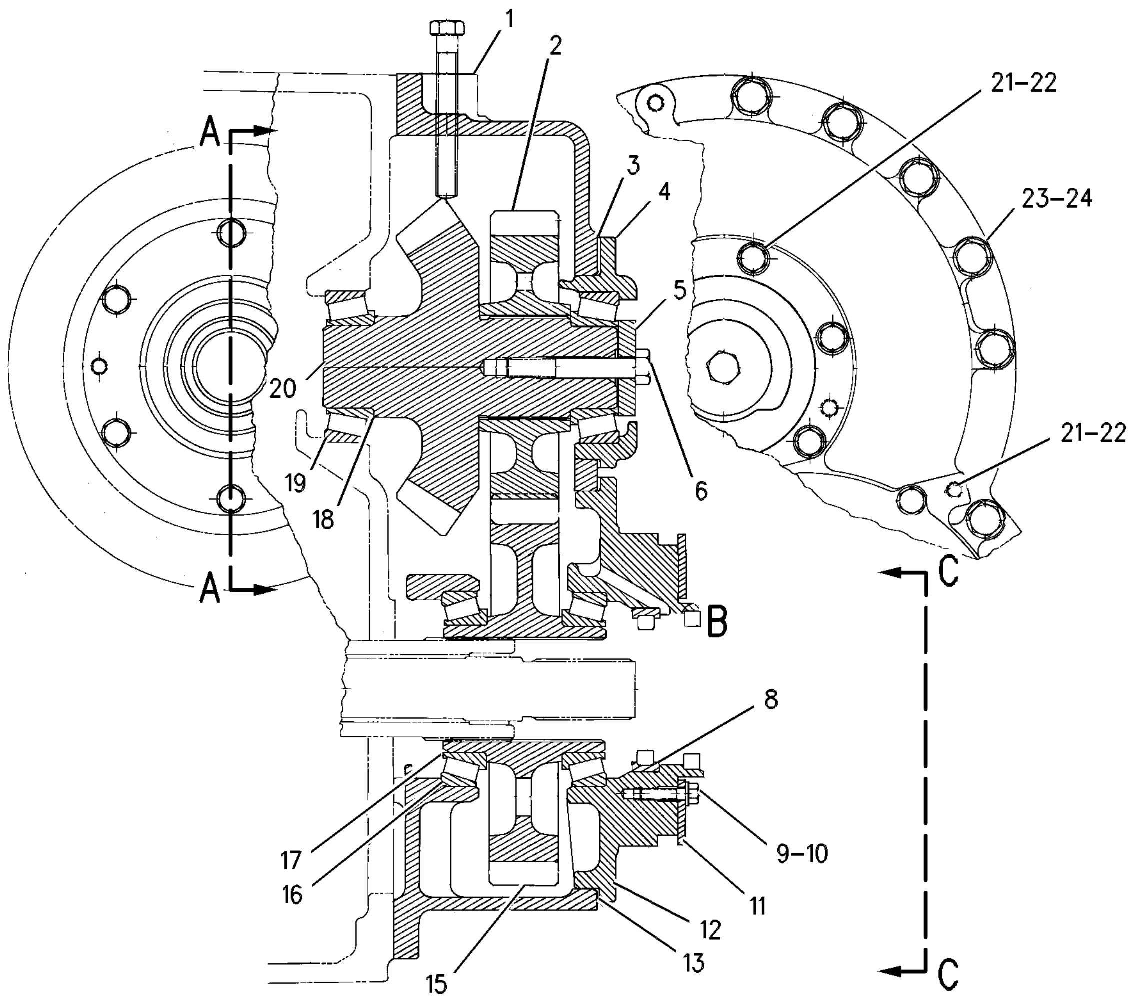
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **190-2277** | 1 | CASE AS | |
| | | 1 | **2D-6642** | 1 | BALL | |
| | 2 | 1 | **160-3588** | 1 | GEAR (34 TEETH) | |
| B | 3 | 1 | **9P-1922** | 1 | SHIM PACK (INCLUDES 14 SHIMS) | |
| | 4 | 1 | **9W-2992** | 1 | CAGE-BEARING | |
| | 5 | 1 | **3T-6742** | 1 | RETAINER | |
| | 6 | 1 | **0S-1569** | 1 | BOLT (5/8-11X4 IN) | |
| | 7 | 2 | **7D-1649** | 2 | WASHER-HARD (13.5X32X5MM THK) | |
| | 8 | 1 | **7H-7628** | 1 | BEARING-RACE & ROLLER | |
| | 9 | 1 | **0S-1591** | 4 | BOLT (3/8-16X1.5 IN) | |
| | 10 | 1 | **5M-2894** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 11 | 1 | **6I-8507** | 1 | PLATE-RETAINER | |
| | 12 | 1 | **6I-8511** | 1 | CAGE-BEARING | |
| B | 13 | 1 | **9P-1921** | 1 | SHIM PACK (INCLUDES 14 SHIMS) | |
| | 14 | 1 | **8C-3075** | 1 | SEAL-LIP | |
| | 15 | 1 | **160-3585** | 1 | GEAR-TRANSFER (43 TEETH) | |
| | 16 | 1 | **8D-1817** | 2 | CUP-ROLLER BEARING | |
| | 17 | 1 | **8D-1819** | 2 | CONE-ROLLER BEARING | |
| | 18 | 1 | **6S-2829** | 2 | CONE-ROLLER BEARING | |
| | 19 | 1 | **6S-2828** | 2 | CUP-ROLLER BEARING | |
| | 20 | 1 | **155-4325** | 1 | PINION-BEVEL (50 TEETH) | |
| | 21 | 1,2 | **7B-3235** | 24 | BOLT (1/2-13X1.375 IN) | |
| | 22 | 1,2 | **5P-8245** | 24 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 23 | 1 | **0L-1169** | 12 | BOLT (5/8-11X3.75 IN) | |
| | 24 | 1,2 | **5P-8247** | 16 | WASHER-HARD (17X32X3.5MM THK) | |
| | 25 | 2 | **9W-1570** | 1 | CAGE AS-BEARING | |
| | | 2 | **9W-1569** | 1 | PLUG-ORIFICE | |
| | | 2 | **4B-9880** | 1 | BALL | |
| B | 26 | 2 | **9P-1478** | 2 | SHIM PACK (INCLUDES 14 SHIMS) | |
| | 27 | 2 | **1L-6957** | 1 | LOCKNUT-BEARING | |
| | 28 | 2 | **6T-0364** | 1 | RING-RETAINING | |
| | 29 | 2 | **9W-8612** | 1 | SPACER-CONE | |
| | 30 | 2 | **1P-3934** | 2 | CUP-ROLLER BEARING | |
| | 31 | 2 | **1P-3935** | 2 | CONE-ROLLER BEARING | |
| | 32 | 2 | **9W-9982** | 1 | SHAFT-BEVEL GEAR (50 TEETH) | |
| | 33 | 2 | **1A-0075** | 12 | BOLT (3/4-16X1.75 IN) | |
| | 34 | 2 | **155-4327** | 1 | GEAR-BEVEL (31 TEETH) | |
| | 35 | 2 | **9G-0832** | 1 | DOWEL | |
| | 36 | 2 | **7T-9946** | 1 | CAGE-BEARING | |
| | 37 | 2 | **6J-3473** | 1 | RING-SNAP | |
| | 38 | 2 | **5P-7592** | 1 | RACE-ROLLER BEARING | |
| | 39 | 2 | **4H-0019** | 1 | RACE & ROLLER AS | |
| | 40 | 2 | **9P-7072** | 1 | WASHER-TONGUE | |
| | 41 | 2 | **6V-2404** | 1 | LOCKWASHER-BEARING | |
| | 42 | 2 | **6T-3853** | 2 | SLEEVE | |
| | 43 | 2 | **1A-5822** | 2 | BOLT (1/2-13X2.75 IN) | |
| | 44 | 2 | **6T-3852** | 2 | ROLLER | |
| | 45 | 2 | **7T-1475** | 1 | BRACKET-ROLLER | |
| | 46 | 2 | **7T-1474** | 1 | BRACKET-ROLLER | |
| | 47 | 2 | **1D-4601** | 4 | BOLT (5/8-11X8.5 IN) | |

B-USE AS REQUIRED

156-9780 **GEAR GP-BEVEL & TRANSFER** ***(contd.)*** **i01431143**




VIEW OF AREA B

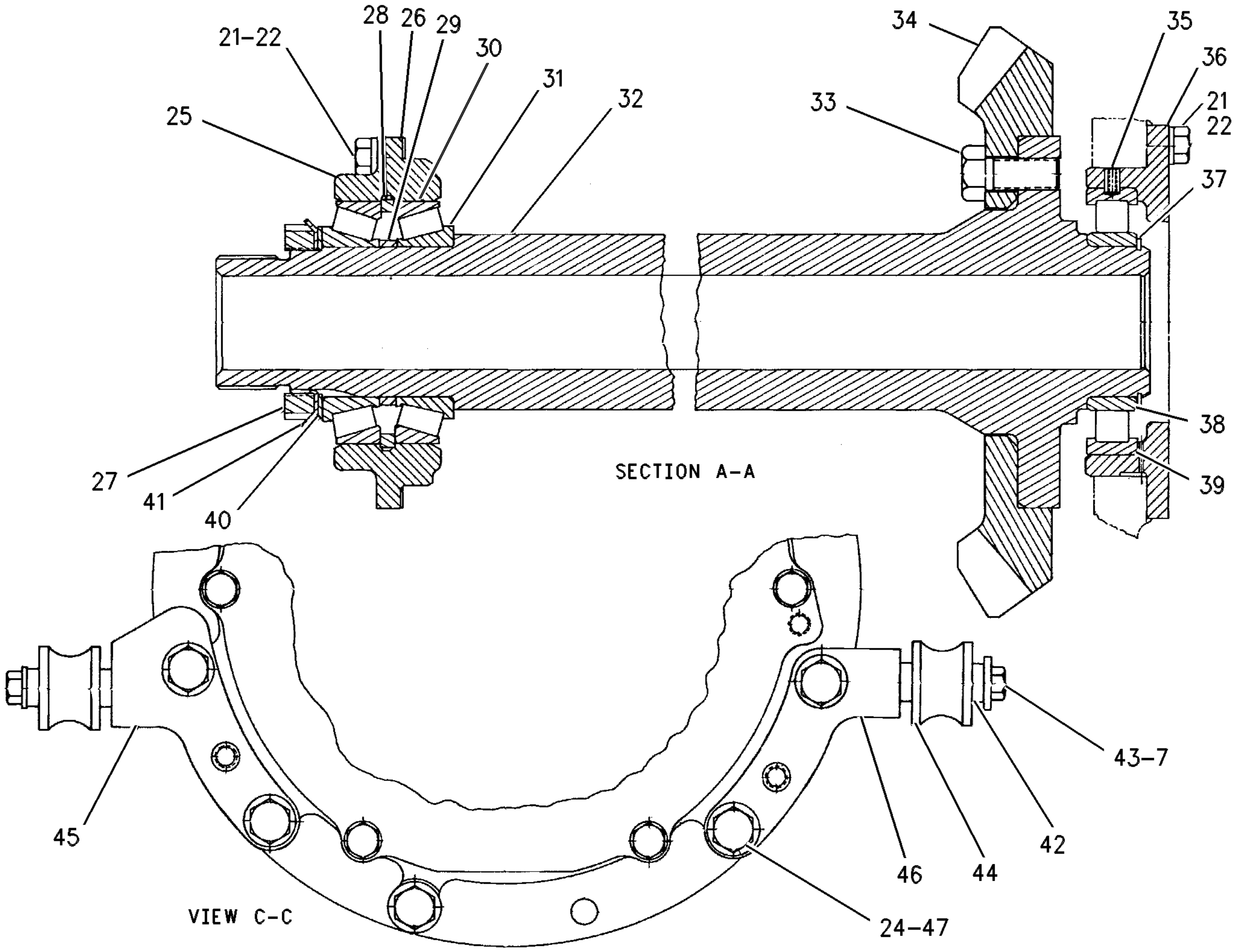



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

g00605994

*156-9780* **GEAR GP-BEVEL & TRANSFER** ***(contd.)*** **i01431143**




GRAPHIC #2

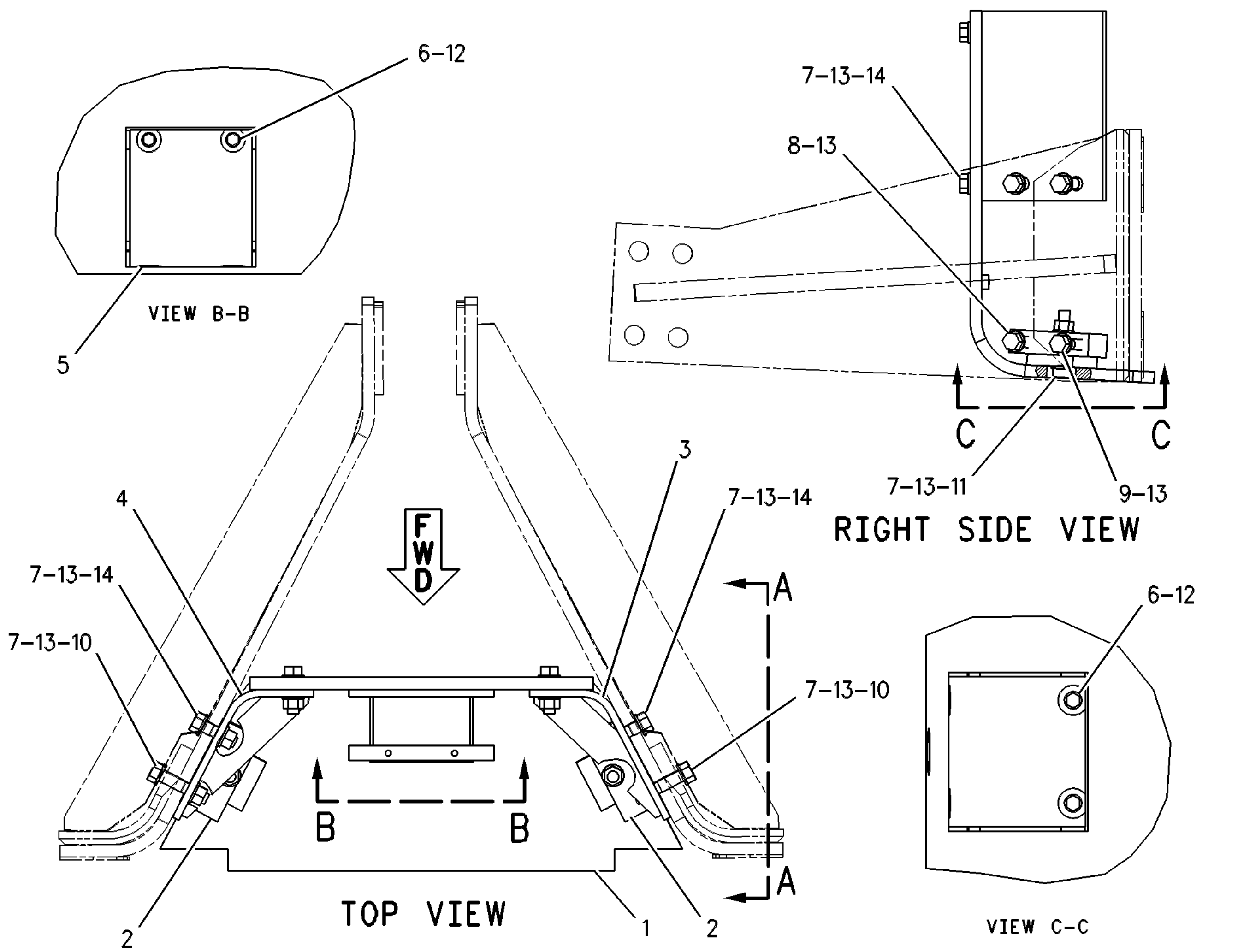
g00605995

# 7T-6915 GUARD GP-POWER TRAIN

S/N: AKA1-UP

SMCS-7153 i01211784

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-6916** | 1 | PLATE AS | |
| | 2 | 1 | **7T-6918** | 2 | BLOCK | |
| | 3 | 1 | **7T-6922** | 1 | PLATE AS-LH | |
| | 4 | 1 | **7T-6923** | 1 | PLATE AS-RH | |
| | 5 | 1 | **7T-6924** | 1 | PLATE | |
| | 6 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 7 | 1 | **6V-8182** | 10 | NUT (3/4-10 THD) | |
| | 8 | 1 | **7X-0366** | 2 | BOLT (3/4-10X2IN) | |
| | 9 | 1 | **7X-0368** | 2 | BOLT (3/4-10X3IN) | |
| | 10 | 1 | **7X-0370** | 2 | BOLT (3/4-10X3.50IN) | |
| | 11 | 1 | **8C-8842** | 2 | BOLT (3/4-10X4.0IN) | |
| | 12 | 1 | **8T-4896** | 4 | WASHER-HARD (2.5MM THK) | |
| | 13 | 1 | **8T-4994** | 24 | WASHER (5MM THK) | |
| | 14 | 1 | **8T-8924** | 6 | BOLT (3/4-10X2.50IN) | |




GRAPHIC #1 g00648082

# *156-2542* LINES GP-POWER TRAIN OIL

**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-3016** **i01430370**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1V-3713** | 1 | ANGLE | |
| | 2 | 2 | **3T-6471** | 1 | SCREEN AS (TORQUE CONVERTER SCAVENGE) | |
| | 3 | 2 | **6N-2985** | 1 | CAP AS-FILLER (POWER TRAIN OIL) | |
| | 4 | 1 | **6T-3714** | 1 | GASKET | |
| | 5 | 1 | **6V-0852** | 3 | CAP-DUST | |
| | 6 | 1 | **6V-5387** | 1 | PLATE-ORIFICE | |
| I | 7 | 1 | **6Y-2549** | 1 | HOSE AS | |
| | 8 | 1 | **6Y-4687** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **8A-2615** | 2 | SPACER | |
| | 9 | 2 | **6Y-5439** | 1 | FLANGE | |
| | 10 | 2 | **8C-3447** | 1 | CAP-DUST | |
| | 11 | 1 | **8T-9358** | 2 | CONNECTOR | |
| | 12 | 2 | **9P-0214** | 1 | SCREEN AS (POWER TRAIN OIL PUMP INLET) | |
| | 13 | 2 | **9R-3141** | 3 | MOUNT AS | |
| | 14 | 1 | **9W-1686** | 1 | SPACER | |
| | 15 | 2 | **107-2498** | 1 | PLUNGER AS (POWER TRAIN OIL LEVEL/DIPSTICK) | |
| | 16 | 1 | **110-9734** | 1 | VALVE | |
| | 17 | 2 | **126-0814** | 1 | NIPPLE AS | |
| | 18 | 1 | **140-2964** | 1 | RETAINER AS | |
| | 19 | 2 | *148-8360* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9182** | 1 | ELBOW | |
| | 20 | 2 | **151-7413** | 1 | COUPLING | |
| I | 21 | 2 | **156-2546** | 1 | HOSE AS | |
| | 22 | 1 | **156-2548** | 1 | TUBE AS | |
| | 23 | 1 | **156-2551** | 1 | TUBE AS | |
| I | 24 | 1 | **159-6128** | 1 | HOSE AS | |
| I | 25 | 1 | **159-6132** | 1 | HOSE AS | |
| I | 26 | 2 | **159-6133** | 1 | HOSE AS | |
| Y | 27 | 2 | **160-1834** | 1 | PUMP GP-GEAR (POWER TRAIN OIL) | 341 |
| Y | 28 | 2 | **161-5793** | 1 | VALVE GP-RELIEF (CONVERTER PRESSURE) | 365 |
| Y | 29 | 2 | **161-9667** | 1 | VALVE GP-PRIORITY (PUMP AND LUBE FLOW) | 362 |
| | 30 | 2 | **162-6157** | 1 | MANIFOLD | |
| I | 31 | 1 | **164-2910** | 1 | HOSE AS | |
| | 32 | 1,2 | **164-2924** | 2 | PLATE AS | |
| | | 1,2 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 33 | 1 | **164-4459** | 1 | TUBE AS | |
| I | 34 | 2 | **165-0486** | 1 | HOSE AS | |
| I | 35 | 1 | **169-8761** | 1 | HOSE AS | |
| | 36 | 1 | **177-1491** | 1 | ELBOW | |
| | 37 | 1 | **185-6684** | 1 | BREATHER AS (POWER TRAIN) | |
| Y | 38 | 1 | *186-2379* | 1 | FILTER GP-OIL (HYDRAULIC) (POWER TRAIN) | 310 |
| | 39 | 2 | **192-0158** | 1 | TUBE AS | |
| | 40 | 1 | **198-6868** | 1 | PLATE | |
| I | 41 | 1 | **199-4013** | 1 | HOSE AS | |
| I | 42 | 1 | **199-4014** | 1 | HOSE AS | |
| | 43 | 1 | **199-4024** | 1 | PLATE | |
| | 44 | 2 | **200-2423** | 1 | TUBE AS | |
| | 45 | 2 | **200-6567** | 1 | HOSE AS | |
| I | 46 | 2 | **200-6568** | 1 | HOSE AS | |
| I | 47 | 2 | **200-6569** | 1 | HOSE AS | |
| I | 48 | 2 | **200-6570** | 1 | HOSE AS | |
| I | 49 | 2 | **200-6571** | 1 | HOSE AS | |

## *156-2542* **LINES GP-POWER TRAIN OIL** *(contd.)* i01430370

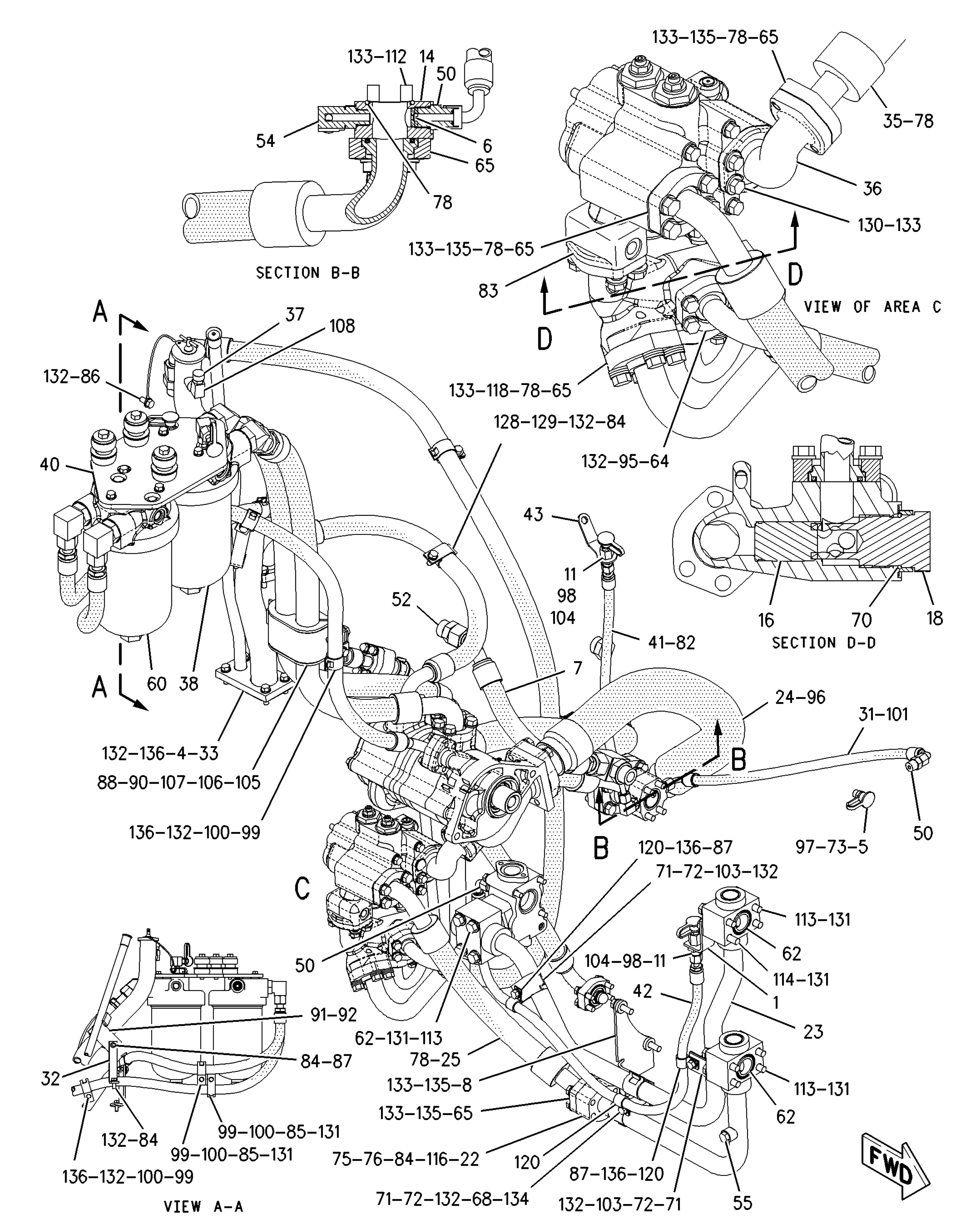
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 50 | 1 | *148-8318* | 3 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8634** | 1 | CONNECTOR | |
| | 51 | 2 | *148-8323* | 1 | CONNECTOR GP | |
| | | 2 | **2S-4078** | 1 | SEAL-O-RING | |
| | | 2 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9875** | 1 | CONNECTOR | |
| | 52 | 1 | *148-8335* | 1 | CONNECTOR GP | |
| | | 1 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8635** | 1 | CONNECTOR | |
| | 53 | 2 | *148-8357* | 1 | ELBOW GP | |
| | | 2 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 2 | **7M-8485** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9008** | 2 | ELBOW | |
| | 54 | 1 | *148-8378* | 1 | ELBOW GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8724** | 1 | ELBOW | |
| | 55 | 1 | *148-8407* | 1 | PLUG GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |
| | 56 | 2 | *148-8458* | 1 | UNION GP | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-9807** | 1 | UNION | |
| | 57 | 2 | **152-9840** | 2 | ELBOW | |
| | 58 | 2 | *164-4180* | 1 | PLUG GP | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | | 1 | **9S-4181** | 1 | PLUG-STRAIGHT THREAD | |
| | 59 | 2 | *164-5549* | 1 | COUPLING GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **4I-6287** | 1 | COUPLING AS | |
| Y | 60 | 1 | **178-0568** | 1 | FILTER GP-OIL (POWER TRAIN) | 309 |
| | 61 | 2 | **1H-7339** | 1 | SEAL-O-RING | |
| | 62 | 1 | **1P-3705** | 3 | SEAL-RECTANGULAR | |
| | 63 | 2 | **1P-4576** | 2 | FLANGE | |
| | 64 | 1,2 | **1P-4577** | 8 | FLANGE-HALF | |
| | 65 | 1 | **1P-4578** | 10 | FLANGE-HALF | |
| | 66 | 2 | **1P-4579** | 2 | FLANGE-HALF | |
| | 67 | 2 | **1P-4584** | 2 | FLANGE-HALF | |
| | 68 | 1 | **1V-7753** | 1 | SPACER (.546X.841X1.75IN THK) | |
| | 69 | 2 | **2H-6184** | 1 | SEAL-O-RING | |
| | 70 | 1 | **2S-4078** | 1 | SEAL-O-RING | |
| | 71 | 1 | **3G-4214** | 3 | CLIP (SLOT) | |
| | 72 | 1 | **3G-4218** | 3 | CLIP (TAB) | |
| | 73 | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 74 | 2 | **3J-7354** | 1 | SEAL-O-RING | |
| | 75 | 1 | **3P-0572** | 1 | CLIP (TAB) | |
| | 76 | 1 | **3P-0574** | 1 | CLIP (SLOT) | |
| | 77 | 1,2 | **4J-0520** | 6 | SEAL-O-RING | |
| | 78 | 1,2 | **4J-0522** | 9 | SEAL-O-RING | |
| | 79 | 2 | **4J-0524** | 1 | SEAL-O-RING | |
| | 80 | 2 | **4J-0527** | 1 | SEAL-O-RING | |
| | 81 | 2 | **4J-5267** | 2 | SEAL-O-RING | |
| | 82 | 1 | **4J-5477** | 2 | SEAL-O-RING | |
| | 83 | 1 | **4J-5573** | 1 | SEAL-O-RING | |

## *156-2542* **LINES GP-POWER TRAIN OIL** *(contd.)* i01430370

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 84 | 1,2 | **4L-6454** | 5 | BOLT (3/8-16X1 IN) | |
| | 85 | 1 | **5C-6565** | 2 | BOLT (1/2-13X1.25 IN) | |
| | 86 | 1,2 | **5M-3062** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 87 | 1,2 | **5P-1075** | 5 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 88 | 1 | **5P-1076** | 2 | WASHER-HARD (13.5X30X4MM THK) | |
| | 89 | 2 | **5P-2424** | 4 | BOLT (1/2-13X2.25 IN) | |
| | 90 | 1,2 | **5P-2566** | 7 | BOLT (1/2-13X1.5 IN) | |
| | 91 | 1 | **5P-7468** | 1 | CLIP (SLOT) | |
| | 92 | 1 | **5P-7469** | 1 | CLIP (TAB) | |
| | 93 | 2 | **5P-8939** | 1 | GROMMET | |
| | 94 | 2 | **5S-7379** | 6 | BOLT (3/8-16X0.875 IN) | |
| | 95 | 1,2 | **5S-7382** | 16 | BOLT (3/8-16X1.375 IN) | |
| | 96 | 1 | **6J-2680** | 2 | SEAL-O-RING | |
| | 97 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 98 | 1 | **6V-4433** | 2 | FITTING | |
| | 99 | 1,2 | **6V-5185** | 5 | CLIP (SLOT) | |
| | 100 | 1,2 | **6V-5186** | 5 | CLIP (TAB) | |
| | 101 | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | 102 | 2 | **6V-8400** | 2 | SEAL-O-RING | |
| | 103 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |
| | 104 | 1 | **6V-9168** | 2 | NUT (11/16-16 THD) | |
| | 105 | 1 | **7G-3413** | 1 | CLIP (SLOT) | |
| | 106 | 1 | **7G-3414** | 1 | CLIP (TAB) | |
| | 107 | 1 | **7G-3415** | 1 | GROMMET | |
| | 108 | 1 | **7J-8611** | 1 | ELBOW | |
| | 109 | 2 | **7M-8485** | 2 | SEAL-O-RING | |
| | 110 | 2 | **7X-0288** | 4 | BOLT (3/8-16X1.625 IN) | |
| | 111 | 2 | **7X-0290** | 3 | BOLT (3/8-16X3.50 IN) | |
| | 112 | 1,2 | **7X-0313** | 7 | BOLT (7/16-14X2.75IN) | |
| | 113 | 1 | **7X-0326** | 11 | BOLT (1/2-13X3 IN) | |
| | 114 | 1 | **7X-0328** | 1 | BOLT (1/2-13X3.50 IN) | |
| | 115 | 2 | **7X-0618** | 3 | WASHER-HARD (13.5X40X5MM THK) | |
| | 116 | 1 | **7X-0772** | 1 | WASHER-HARD (10.2X25.5X2.5MM THK) | |
| | 117 | 2 | **8C-3446** | 1 | VALVE AS-FLUID SAMPLING | |
| | 118 | 1 | **8C-6877** | 4 | BOLT (7/16-14X1.75 IN) | |
| | 119 | 2 | **8J-4351** | 1 | SEAL-O-RING | |
| | 120 | 1 | **8M-2773** | 3 | CLIP | |
| | 121 | 2 | **8M-4447** | 1 | SEAL-O-RING | |
| | 122 | 2 | **8M-5254** | 4 | SEAL-O-RING | |
| | 123 | 2 | **8M-8157** | 1 | SEAL-O-RING | |
| | 124 | 2 | **8S-0023** | 1 | CLIP (SLOT) | |
| | 125 | 2 | **8S-0024** | 1 | CLIP (TAB) | |
| | 126 | 2 | **8T-1889** | 1 | CLIP (SLOT) | |
| | 127 | 2 | **8T-1890** | 1 | CLIP (TAB) | |
| | 128 | 1,2 | **8T-1899** | 3 | CLIP (SLOT) | |
| | 129 | 1,2 | **8T-1900** | 3 | CLIP (TAB) | |
| | 130 | 1 | **8T-2502** | 4 | BOLT (3/8-16X1.125 IN) | |
| | 131 | 1,2 | **8T-4223** | 23 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 132 | 1,2 | **8T-4896** | 52 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 133 | 2 | **8T-5360** | 34 | WASHER (12X22.5X2.5MM THK) | |
| | 134 | 1 | **8T-7008** | 1 | BOLT (3/8-16X3 IN) | |
| | 135 | 1 | **8T-8916** | 14 | BOLT (7/16-14X1.5 IN) | |
| | 136 | 1,2 | **9B-7237** | 11 | BOLT (3/8-16X1.25 IN) | |
| | 137 | 2 | **9X-6274** | 6 | WASHER (32.5X50X1.6MM THK) | |

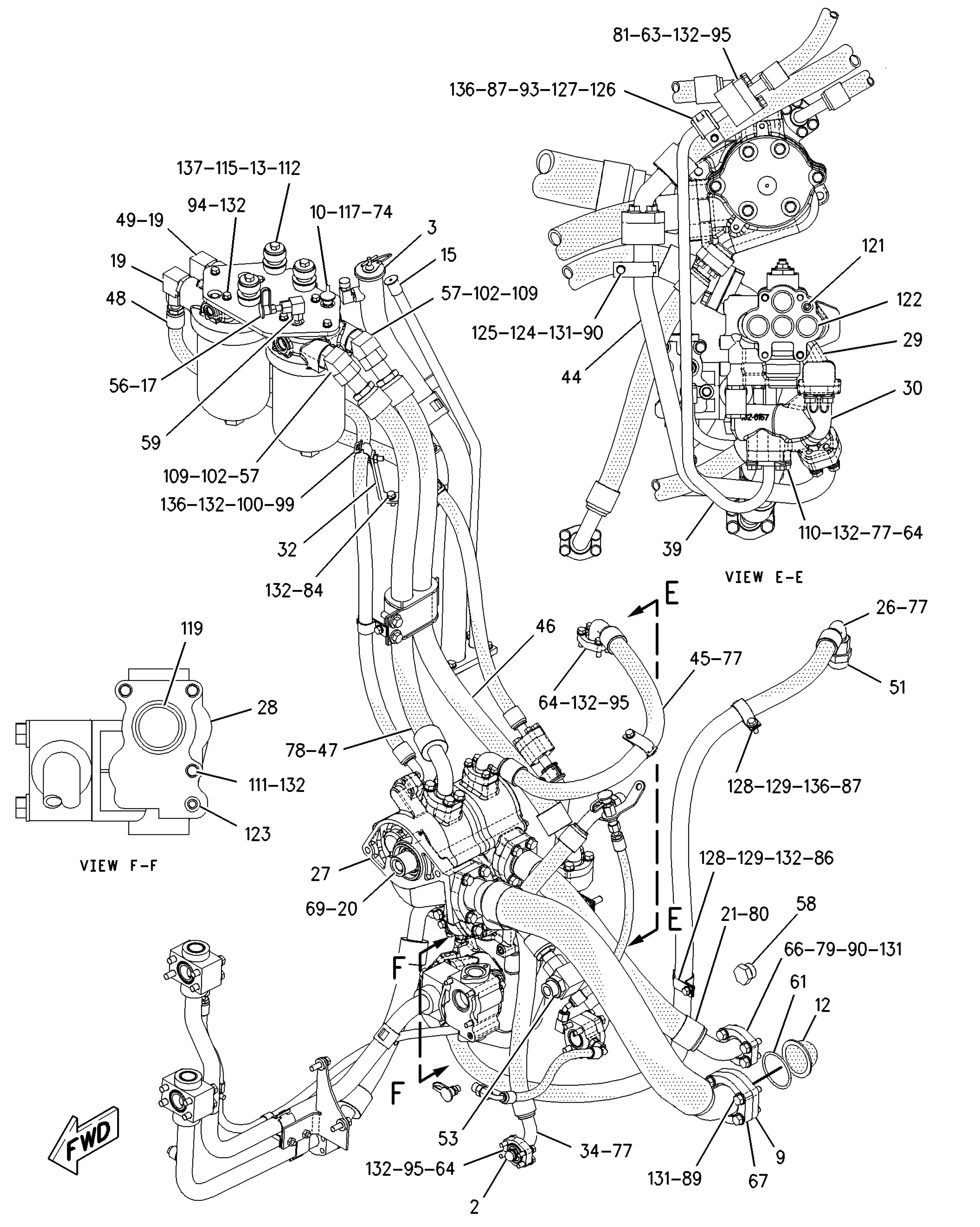
I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

## *156-2542* **LINES GP-POWER TRAIN OIL** ***(contd.)*** **i01430370**




GRAPHIC #1 g00769508

*156-2542* **LINES GP-POWER TRAIN OIL** ***(contd.)*** **i01430370**




GRAPHIC #2

g00769662

# *162-5357* MANIFOLD & VALVE GP

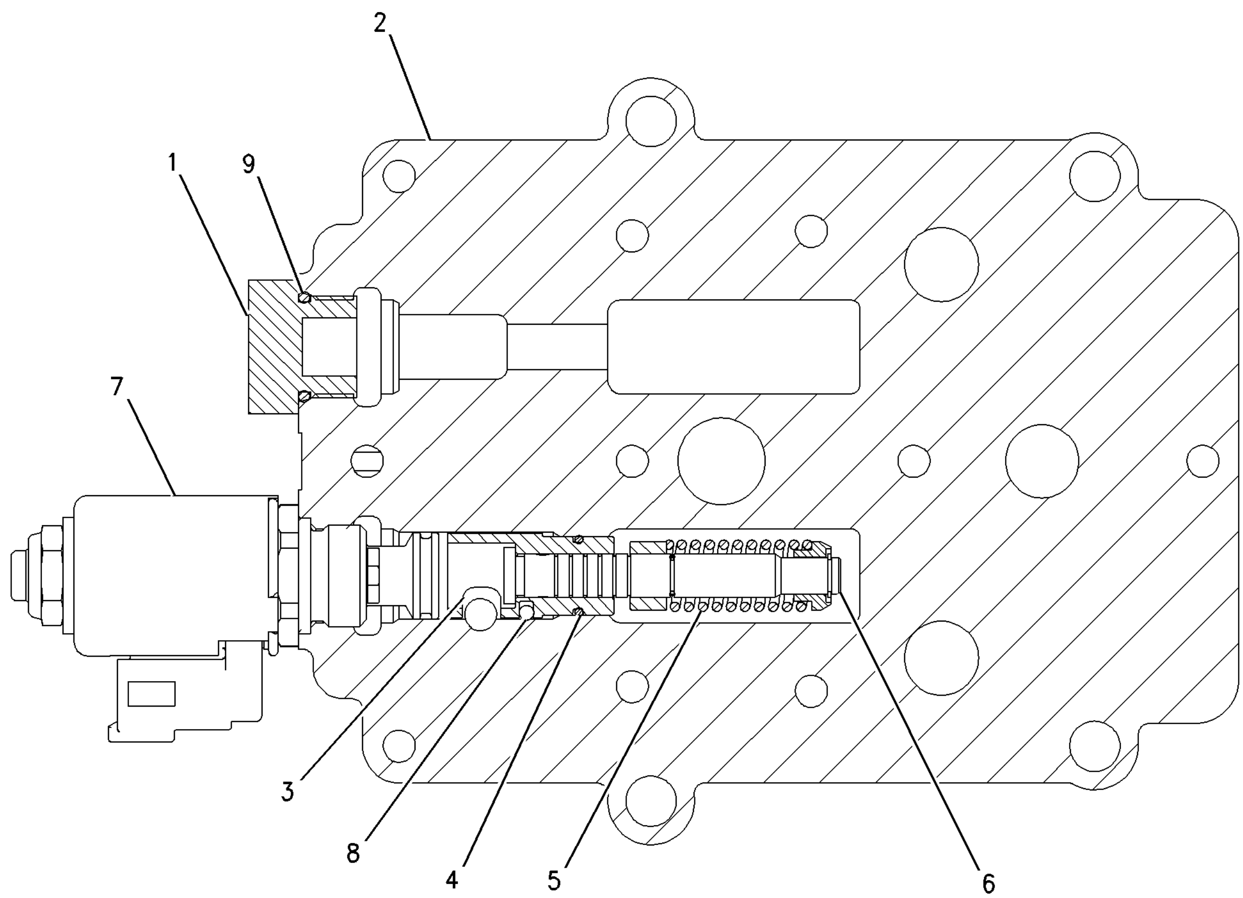
**S/N: AKA1-UP**

**PART OF 160-2456 VALVE GP-CONTROL**

**SMCS-4320** **i01431316**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-4190** | 1 | PLUG-O-RING | |
| | 2 | 1 | **162-5358** | 1 | MANIFOLD | |
| | 3 | 1 | **137-8794** | 1 | SPOOL AS | |
| | 4 | 1 | **5L-4758** | 1 | SEAL-O-RING (14MM ID) | |
| | 5 | 1 | **137-8793** | 1 | SPRING | |
| | 6 | 1 | **3D-7943** | 1 | RING-RETAINING | |
| Y | 7 | 1 | **174-4909** | 1 | VALVE GP-SOLENOID | 371 |
| | 8 | 1 | **1P-1744** | 1 | DOWEL | |
| | 9 | 1 | **2M-9780** | 1 | SEAL-O-RING (19.18MM ID) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00737293

# *175-4972* MANIFOLD & VALVE GP

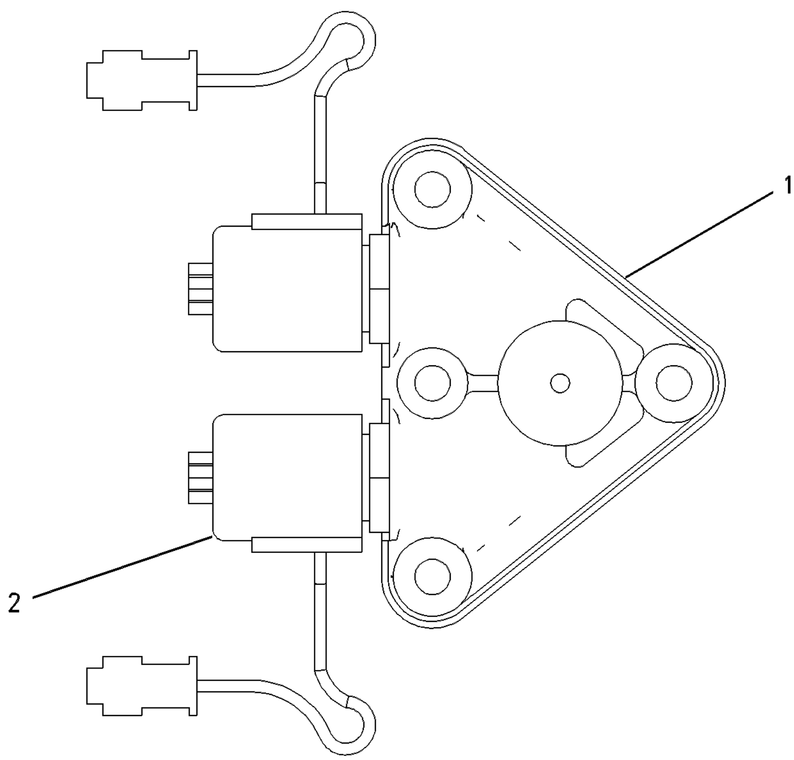
**S/N: AKA1-UP**

**PART OF 160-2456 VALVE GP-CONTROL**

**SMCS-4320** **i01431395**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **132-9455** | 1 | MANIFOLD | |
| Y | 2 | 1 | *172-2392* | 2 | VALVE GP-SOLENOID | 370 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00653425

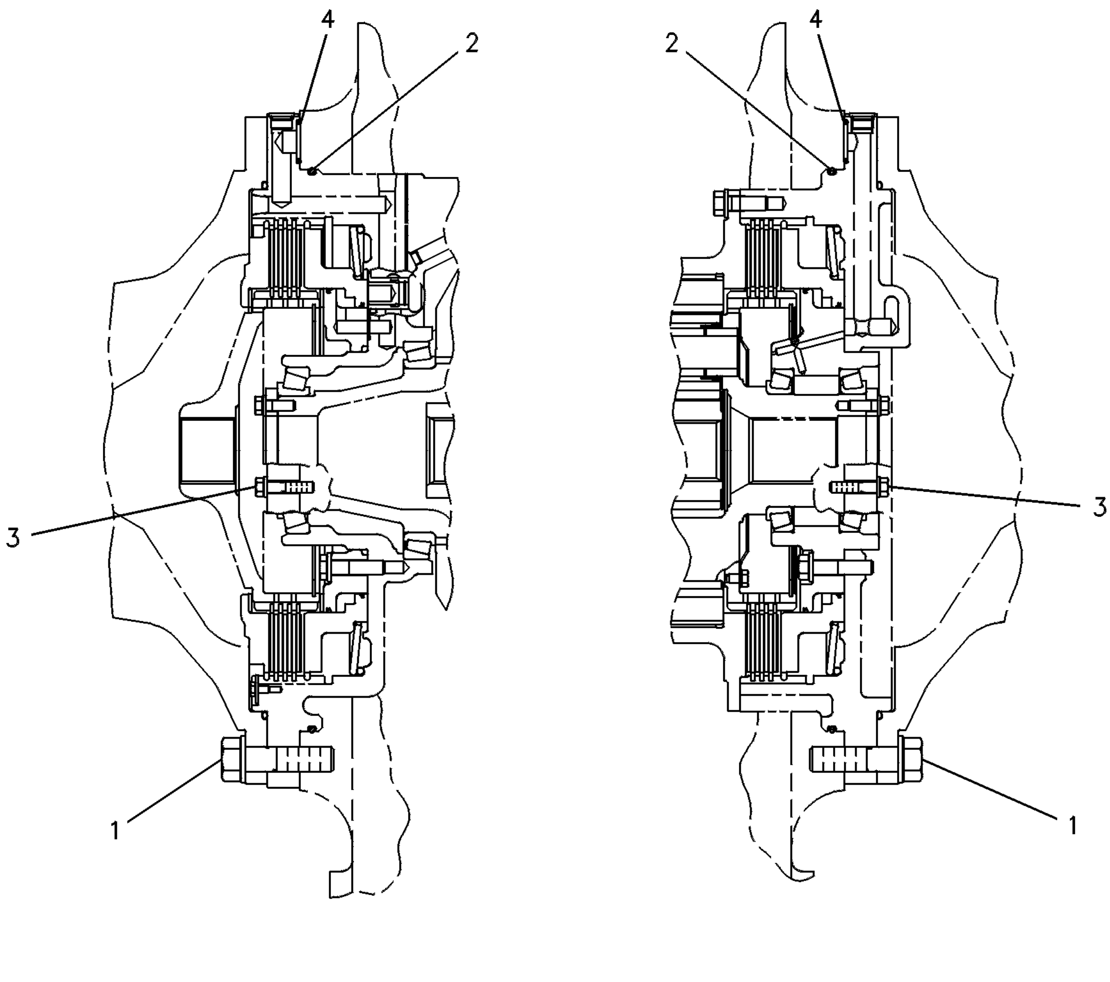
# *109-0136* MOUNTING GP-FINAL DRIVE

**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-4050** **i01065809**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1D-4628** | 52 | BOLT (7/8-9X3.25IN) | |
| | | 1 | **5P-8249** | 52 | WASHER-HARD (4.0MM THK) | |
| | 2 | 1 | **8D-4771** | 2 | SEAL-O-RING | |
| | 3 | 1 | **5S-7383** | 4 | BOLT | |
| | | 1 | **8T-4896** | 4 | WASHER | |
| | 4 | 1 | **6F-6673** | 4 | SEAL-O-RING (31.34MM ID) | |




GRAPHIC #1 g00247103

# 6T-0009 MOUNTING GP-TRANSMISSION

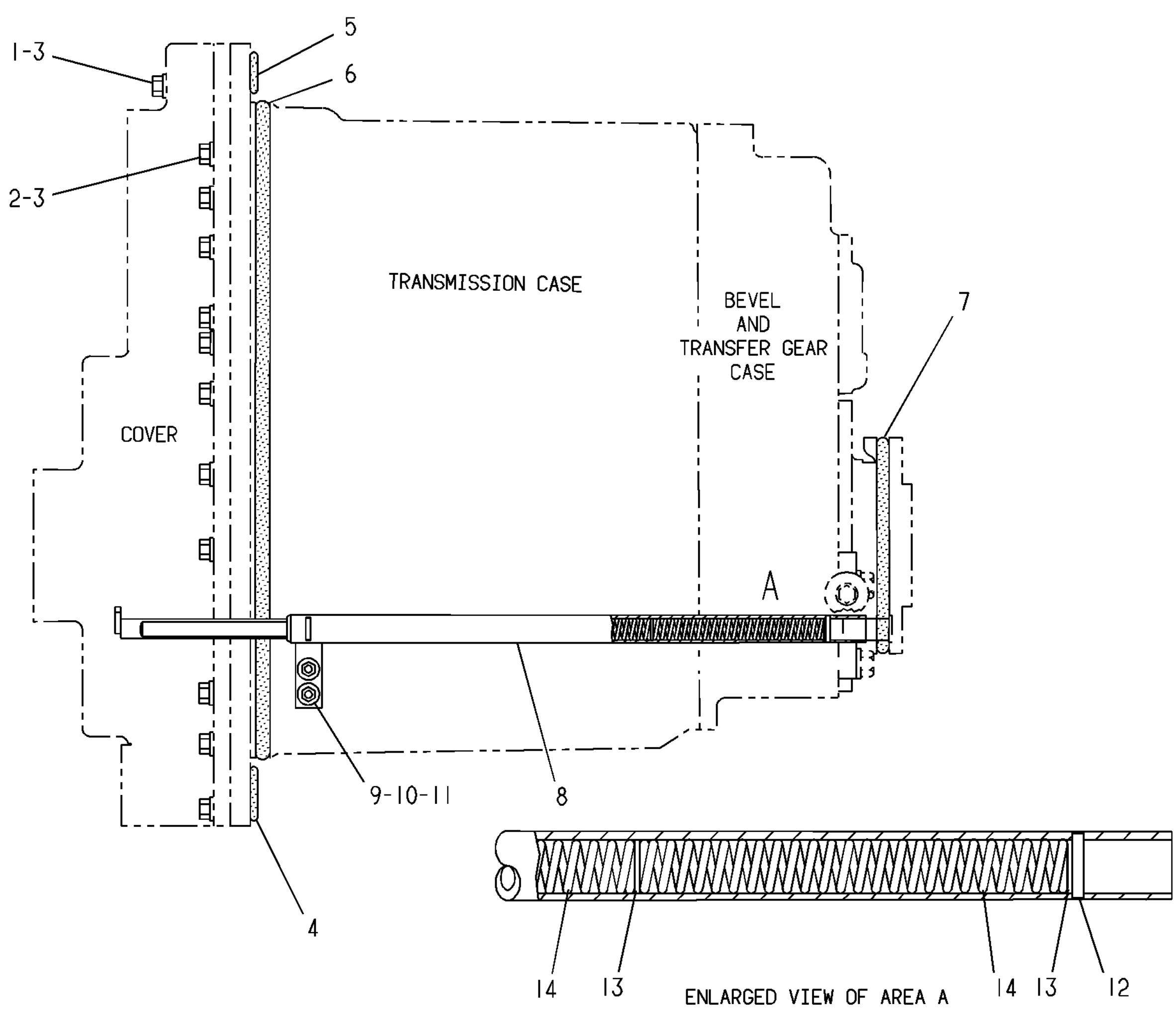
**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-3030** **i01065788**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7X-0332** | 3 | BOLT (1/2-13X4.50IN) | |
| | 2 | 1 | **7X-0325** | 19 | BOLT (1/2-13X0.75IN) | |
| | 3 | 1 | **8T-4223** | 22 | WASHER | |
| | 4 | 1 | **8M-4390** | 1 | SEAL-O-RING (56.74MM ID) | |
| | 5 | 1 | **9M-7002** | 3 | SEAL-O-RING (37.47MM ID) | |
| | 6 | 1 | **2D-6506** | 1 | SEAL-O-RING | |
| | 7 | 1 | **1M-9011** | 1 | RING-SEALING | |
| C | 8 | 1 | **9W-6359** | 2 | TUBE AS | |
| | 9 | 1 | **5S-7382** | 4 | BOLT | |
| | 10 | 1 | **7X-0772** | 8 | WASHER-HARD (2.5MM THK) | |
| | 11 | 1 | **2K-4973** | 4 | LOCKNUT | |
| | 12 | 1 | **1H-1200** | 2 | PIN SPRING | |
| | 13 | 1 | **8T-5360** | 4 | WASHER | |
| | 14 | 1 | **5S-7008** | 4 | SPRING | |

C-CHANGE FROM PREVIOUS TYPE




GRAPHIC #1

g00184152

# MEMORANDA

# *158-8079* PEDAL GP-GOVERNOR & BRAKE

**S/N: AKA1-UP**

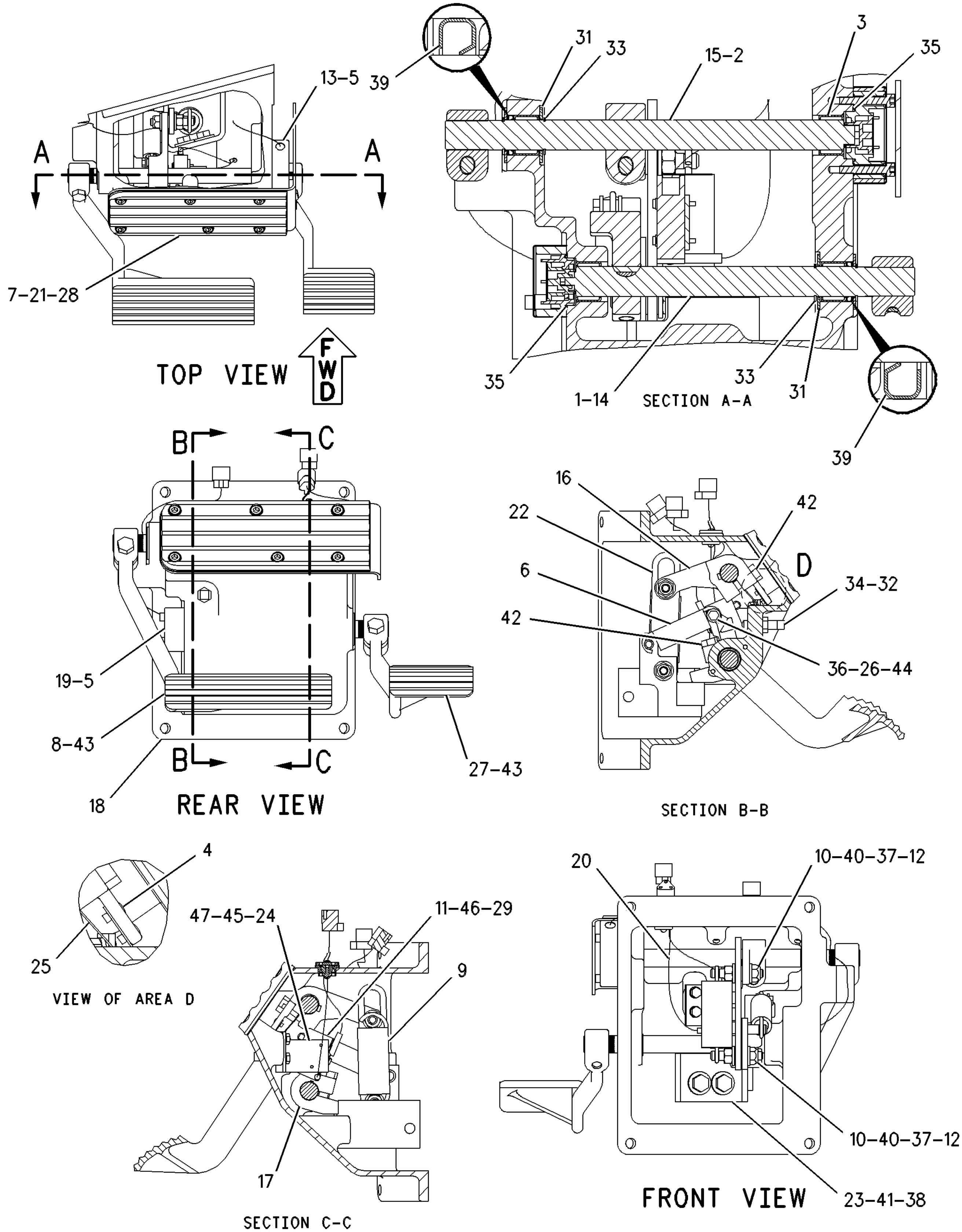
**PART OF 172-5262 CONTROL & MTG GP-PEDAL**

**SMCS-4122** **i01497255**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1B-8706** | 1 | KEY-WOODRUFF | |
| | 2 | 1 | **1B-8714** | 1 | KEY-WOODRUFF | |
| | 3 | 1 | **7P-4190** | 4 | BEARING-ROLLER | |
| | 4 | 1 | **9M-5731** | 2 | RIVET-POP | |
| M | 5 | 1 | **9X-6615** | 4 | BOLT-HEX HEAD (M5X0.8X30MM) | |
| | 6 | 1 | **194-7034** | 1 | SPRING | |
| M | 7 | 1 | **105-3482** | 6 | BOLT-HEX SOCKET (M8X1.25X16MM) | |
| | 8 | 1 | **110-8379** | 1 | PEDAL | |
| | 9 | 1 | **111-3780** | 1 | SPRING | |
| | 10 | 1 | **111-3781** | 2 | BOLT-ANCHOR | |
| | 11 | 1 | **132-7077** | 1 | SWITCH AS-LIMIT | |
| | | 1 | **6V-8376** | 3 | SCREW-MACHINE (8-32X0.25 IN) | |
| | | 1 | **9B-7233** | 3 | LOCKWASHER | |
| | 12 | 1 | **145-3405** | 2 | SPACER | |
| Y | 13 | 1 | **147-1680** | 1 | SENSOR GP-POSITION | 259 |
| | 14 | 1 | **160-1431** | 1 | SHAFT | |
| | 15 | 1 | **160-1432** | 1 | SHAFT | |
| | 16 | 1 | **160-1433** | 1 | LEVER | |
| | 17 | 1 | **160-1434** | 1 | LEVER | |
| | 18 | 1 | **160-1435** | 1 | HOUSING | |
| Y | 19 | 1 | **160-2443** | 1 | SENSOR GP-POSITION | 260 |
| | 20 | 1 | **164-9541** | 1 | HARNESS AS | |
| | 21 | 1 | **165-6779** | 1 | GASKET | |
| | 22 | 1 | **165-9100** | 1 | LINK | |
| | 23 | 1 | **165-9101** | 1 | BRACKET AS | |
| | 24 | 1 | **165-9102** | 1 | PLATE | |
| | 25 | 1 | **165-9103** | 1 | SPRING | |
| | 26 | 1 | **165-9104** | 1 | SPACER | |
| | 27 | 1 | **184-8060** | 1 | PEDAL | |
| | 28 | 1 | **186-4998** | 1 | PAD AS-FOOT | |
| | 29 | 1 | **096-5962** | 2 | WASHER-HARD (3.4X7X0.8MM THK) | |
| M | 30 | 1 | **106-5472** | 1 | SETSCREW-HEX SOCKET | |
| | 31 | 1 | **111-9251** | 4 | WASHER-HARD (20X35X1.6MM THK) | |
| | 32 | 1 | **1B-2578** | 1 | NUT (3/8-16 THD) | |
| | 33 | 1 | **2J-6356** | 4 | RING-RETAINING | |
| | 34 | 1 | **4B-3609** | 1 | SETSCREW-SQUARE HEAD | |
| | 35 | 1 | **6V-0894** | 2 | SEAL-O-RING | |
| M | 36 | 1 | **6V-7357** | 1 | BOLT (M6X1.0X25MM) | |
| M | 37 | 1 | **6V-7744** | 1 | LOCKNUT (M10X1.5 THD) | |
| | 38 | 1 | **7X-7729** | 2 | WASHER (11X25X3MM THK) | |
| | 39 | 1 | **8F-7702** | 2 | SEAL-LIP | |
| | 40 | 1 | **8T-4121** | 4 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 41 | 1 | **8T-4136** | 2 | BOLT (M10X1.5X25MM) | |
| M | 42 | 1 | **8T-4186** | 2 | BOLT (M10X1.5X40MM) | |
| M | 43 | 1 | **8T-4195** | 2 | BOLT (M10X1.5X30MM) | |
| | 44 | 1 | **8T-4205** | 2 | WASHER-HARD (7.2X14.5X2MM THK) | |
| M | 45 | 1 | **8T-4970** | 2 | BOLT (M6X1X14MM) | |
| | 46 | 1 | **9X-6281** | 2 | SCREW-MACHINE (4-40X1 IN) | |
| | 47 | 1 | **9X-8256** | 2 | WASHER (6.6X12X2MM THK) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*158-8079* **PEDAL GP-GOVERNOR & BRAKE** ***(contd.)*** **i01497255**




GRAPHIC #1

g00663714

# POWER TRAIN

## *128-2722* PLANETARY GP-TRANSMISSION

S/N: 6GY1-UP

PART OF 164-0234 TRANSMISSION AR

SMCS-3155, 3160, 3169, 3170, 3187, 3189, 3190, 3304 i01431096

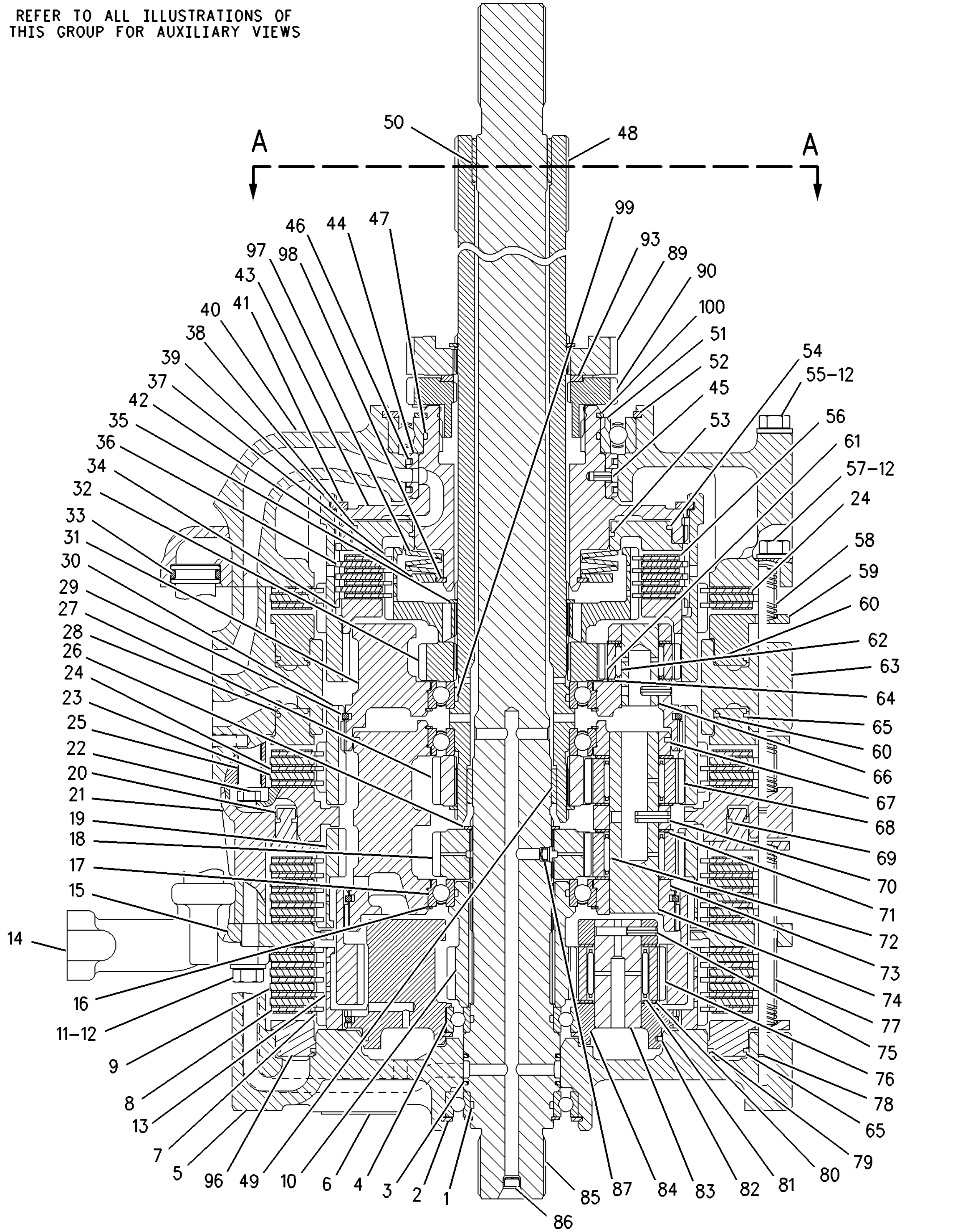
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8M-5010** | 2 | SEAL-O-RING (53.57MM ID) | |
| | 2 | 1 | **068-8093** | 2 | RING-RETAINING | |
| | 3 | 1 | **3T-4377** | 2 | SEAL-RING | |
| | 4 | 1 | **8H-5352** | 2 | BALL BEARING | |
| | 5 | 1 | **111-7470** | 1 | HOUSING AS | |
| | 6 | 1 | **3F-5022** | 1 | PLUG-CUP | |
| | 7 | 1 | **6Y-4771** | 1 | COUPLING | |
| | 8 | 1 | **9P-7390** | 10 | DISC AS-FRICTION | |
| R | 9 | 1 | **8P-2051** | 8 | PLATE-CLUTCH | |
| | 10 | 1 | **7T-9272** | 1 | GEAR-SUN (34 TEETH) | |
| | 11 | 1 | **030-8538** | 1 | BOLT (1/2-13X1.25 IN) | |
| | 12 | 1 | **5P-8245** | 12 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 13 | 1 | **7T-6580** | 1 | GEAR-RING (82 TEETH) | |
| | 14 | 1 | **9W-0645** | 1 | TUBE AS | |
| | 15 | 1 | **6Y-4834** | 1 | PLATE AS | |
| | | 1 | **3S-2708** | 1 | PIN-SPRING | |
| | | 1 | **8T-1445** | 2 | DOWEL | |
| | 16 | 1 | **6V-0473** | 3 | RING-RETAINING | |
| | 17 | 1 | **7T-8816** | 3 | BALL BEARING | |
| | 18 | 1 | **6Y-0061** | 1 | GEAR (37 TEETH) | |
| | 19 | 1 | **6I-9786** | 1 | GEAR-RING | |
| | 20 | 1 | **130-8412** | 1 | PISTON-CLUTCH | |
| | 21 | 1 | **9W-2997** | 1 | HOUSING-CLUTCH | |
| | 22 | 1 | **1A-5183** | 2 | BOLT (3/8-16X4.75 IN) | |
| | 23 | 1 | **6I-8500** | 3 | PLATE-CLUTCH | |
| | 24 | 1 | **6Y-5911** | 5 | DISC-FRICTION | |
| | 25 | 1 | **9M-4355** | 10 | DAMPER-BOLT | |
| | 26 | 1 | **061-6711** | 2 | RING-RETAINING | |
| | 27 | 1 | **9P-8626** | 1 | GEAR-SUN (42 TEETH) | |
| | 28 | 1 | **8P-9507** | 1 | PISTON-CLUTCH | |
| | 29 | 1 | **144-4284** | 3 | LOCK RING | |
| | 30 | 1 | **138-3759** | 1 | GEAR-RING (93 TEETH) | |
| | 31 | 1 | **6I-9785** | 1 | CARRIER-PLANETARY | |
| | 32 | 1 | **7T-9369** | 1 | GEAR-SUN (50 TEETH) | |
| | 33 | 1 | **8M-5266** | 1 | SEAL-O-RING (24.77MM ID) | |
| | 34 | 1 | **9W-8269** | 1 | PLATE-REACTION | |
| | 35 | 1 | **5P-5296** | 3 | RING-RETAINING | |
| | 36 | 1 | **8P-1964** | 3 | PLATE-CLUTCH | |
| | 37 | 1 | **9G-0290** | 1 | HUB-CLUTCH | |
| | 38 | 1 | **7G-7724** | 1 | PISTON-CLUTCH | |
| | 39 | 1 | **9W-8270** | 1 | GEAR-RING (90 TEETH) | |
| | 40 | 1 | **144-7878** | 1 | MANIFOLD | |
| | 41 | 1 | **5P-8194** | 1 | RING-RETAINING | |
| | 42 | 1 | **9G-8020** | 1 | PLATE-RETAINER | |
| | 43 | 1 | **6I-8510** | 1 | HOUSING AS-CLUTCH | |
| | 44 | 1 | **6P-7704** | 1 | CARRIER-RING | |
| | 45 | 1 | **6B-6863** | 1 | PIN-SPRING | |
| | 46 | 1 | **7G-2830** | 2 | RING-SEAL | |
| | 47 | 1 | **8M-5255** | 1 | SEAL-O-RING (120.24MM ID) | |
| | 48 | 1 | **108-7743** | 1 | SHAFT AS-OUTPUT | |
| | 49 | 1 | **9G-6744** | 1 | BEARING-SLEEVE (64.71MM OD) | |
| | 50 | 1 | **3T-8729** | 1 | BEARING-SLEEVE (57.30MM OD) | |
| | 51 | 1 | **5P-5045** | 1 | BALL BEARING | |
| | 52 | 1 | **1L-7388** | 1 | RING-RETAINING | |
| | 53 | 1 | **8D-9739** | 1 | SEAL-RING | |
| | 54 | 1 | **8P-2023** | 1 | RING-SEAL | |

## *128-2722* PLANETARY GP-TRANSMISSION *(contd.)* i01431096

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 55 | 1 | **1M-8657** | 2 | BOLT (1/2-13X15.69 IN) | |
| | 56 | 1 | **6Y-5912** | 4 | DISC-FRICTION | |
| | 57 | 1 | **4M-2442** | 8 | BOLT (1/2-13X12.32 IN) | |
| | 58 | 1 | **4M-9592** | 20 | SPRING | |
| | 59 | 1 | **8P-1892** | 1 | PISTON-CLUTCH | |
| | 60 | 1 | **8P-2019** | 2 | RING-SEAL | |
| | 61 | 1 | **5P-3930** | 4 | BEARING AS-ROLLER | |
| | 62 | 1 | **8P-1916** | 4 | GEAR-PLANETARY (20 TEETH) | |
| | 63 | 1 | **117-7826** | 1 | HOUSING AS-CLUTCH | |
| | | 1 | **1A-2223** | 4 | DOWEL | |
| | 64 | 1 | **8E-8299** | 8 | DISC-THRUST | |
| | 65 | 1 | **8P-2022** | 4 | RING-SEAL | |
| | 66 | 1 | **9G-0289** | 4 | SHAFT-PLANETARY | |
| | 67 | 1 | **8P-2053** | 1 | SEAL-RING (228.6MM ID) | |
| | 68 | 1 | **6I-9788** | 10 | GEAR-PLANET (25 TEETH) | |
| | 69 | 1 | **8P-9569** | 1 | RING-SEAL | |
| | 70 | 1 | **112-4511** | 5 | PIN-SPRING | |
| | 71 | 1 | **8E-8304** | 20 | DISC-THRUST | |
| | 72 | 1 | **5M-6126** | 10 | BEARING | |
| | 73 | 1 | **6I-9784** | 1 | CARRIER-PLANETARY | |
| | 74 | 1 | **112-5585** | 5 | SHAFT-PLANETARY | |
| | 75 | 1 | **3S-2708** | 8 | PIN-SPRING | |
| | 76 | 1 | **7T-6578** | 4 | GEAR (24 TEETH) | |
| | 77 | 1 | **7H-7658** | 10 | SPRING | |
| | 78 | 1 | **3K-2511** | 10 | DOWEL-REACTION | |
| | 79 | 1 | **6T-0838** | 1 | RING-SEAL | |
| | 80 | 1 | **8E-8303** | 8 | DISC-THRUST | |
| | 81 | 1 | **6Y-2811** | 4 | BEARING | |
| | 82 | 1 | **131-4091** | 1 | SEAL-RING | |
| | 83 | 1 | **7T-6581** | 4 | SHAFT-PLANETARY | |
| | 84 | 1 | **6Y-4846** | 1 | CARRIER-PLANETARY | |
| | 85 | 1 | **111-7472** | 1 | SHAFT AS-INPUT | |
| | 86 | 1 | **156-4406** | 1 | PLUG-PIPE | |
| | 87 | 1 | **3T-3175** | 1 | ORIFICE | |
| | 88 | 2 | **5M-2894** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 89 | 1 | **144-7881** | 1 | ROTOR | |
| | 90 | 1 | **108-7749** | 1 | ROTOR | |
| | 91 | 2 | **152-1330** | 1 | BRACKET AS | |
| | 92 | 2 | **8M-8489** | 2 | DOWEL | |
| | 93 | 1 | **5G-8836** | 1 | RING | |
| | 94 | 2 | **196-8884** | 1 | BRACKET AS | |
| | | 2 | **8C-3334** | 2 | RIVET-TUBULAR | |
| | | 2 | **124-9401** | 4 | CLIP (TAB) | |
| | 95 | 2 | **0S-1620** | 2 | BOLT (1/2-13X.75 IN) | |
| | 96 | 1 | **9W-6186** | 1 | PISTON-CLUTCH | |
| | 97 | 1 | **7G-2343** | 3 | SPRING-DISC | |
| | 98 | 1 | **6V-2478** | 1 | RING-RETAINING | |
| | 99 | 1 | **5M-3038** | 2 | SEAL-O-RING (75.59MM ID) | |
| | 100 | 1 | **5P-5297** | 1 | RING-RETAINING | |
| | 101 | 2 | **0S-1619** | 2 | BOLT (3/8-16X3 IN) | |
| Y | 102 | 2 | **193-2550** | 4 | SENSOR GP-SPEED | 271 |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

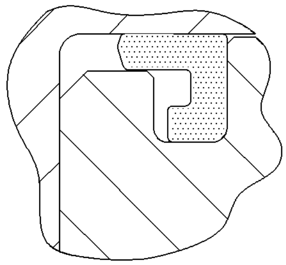
*128-2722* **PLANETARY GP-TRANSMISSION** *(contd.)* **i01431096**



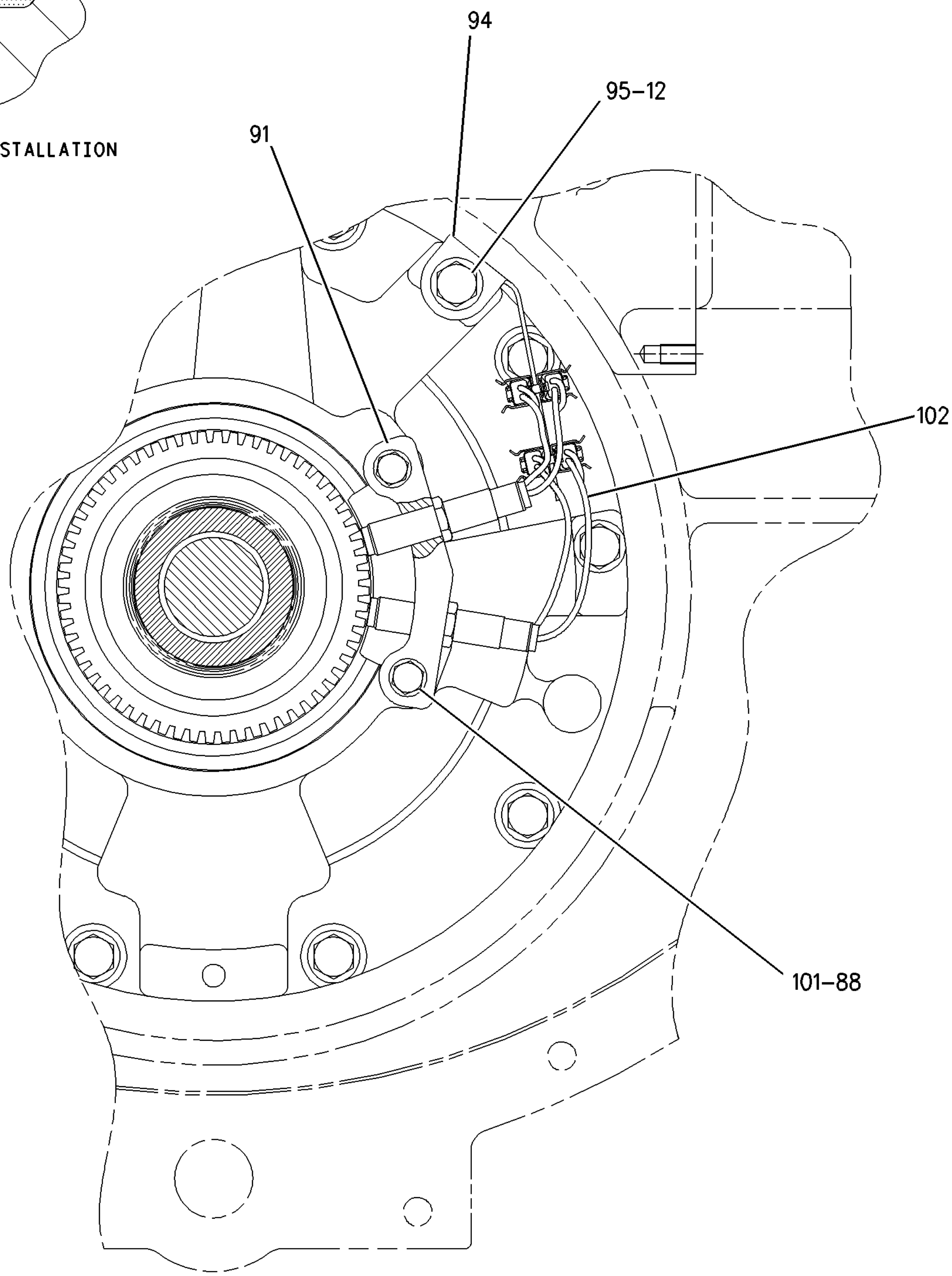

GRAPHIC #1

g00751670

*128-2722* **PLANETARY GP-TRANSMISSION** ***(contd.)*** **i01431096**



TYPICAL SEAL INSTALLATION




SECTION A–A

GRAPHIC #2

g00751669

# *157-0820* POWER TRAIN AR

**S/N: AKA1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-3000** **i01429957**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *7T-8148* | 1 | AXLE GP-POWER TRAIN | 293 |
| Y | *157-5073* | 1 | BRAKE & DRIVE GP | 298 |
| Y | *159-2542* | 1 | BRAKE & DRIVE GP | 299 |
| Y | *158-8077* | 1 | CONTROL & MTG GP-ELECTRONIC | 208 |
| Y | *156-2542* | 1 | LINES GP-POWER TRAIN OIL | 324 |
| Y | *109-0136* | 1 | MOUNTING GP-FINAL DRIVE | 331 |
| Y | *6T-0009* | 1 | MOUNTING GP-TRANSMISSION | 332 |
| Y | *172-5262* | 1 | CONTROL & MTG GP-PEDAL | 305 |
| Y | *160-9933* | 1 | SHAFT GP-MAIN DRIVE | 345 |
| Y | *161-3306* | 1 | TORQUE CONVERTER GP | 350 |
| Y | *164-0234* | 1 | TRANSMISSION AR | 352 |
| Y | *158-8076* | 1 | VALVE & MTG GP-POWER TRAIN | 354 |
| | | | | |
| | **184-0870** | 1 | PLUG AS-WIRING (POWER TRAIN) | |
| | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | **3E-3383** | 1 | WEDGE-RECEPTACLE LOCK | |
| BD | **5P-5677** | | WIRE (18 GA) | |
| | **8T-8737** | 2 | PLUG-SEAL (3.07MM ID) | |
| E | **119-3662** | | TUBE-SHRINKABLE (7CM) | |
| | **9X-3401** | 4 | PIN-CONNECTOR | |
| | | | (FOR 16-18 GA WIRE) | |
| | | | —OR— | |
| | **126-1767** | 4 | CONNECTOR-PIN | |
| | | | (FOR 14 GA WIRE) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

# 160-1834 PUMP GP-GEAR

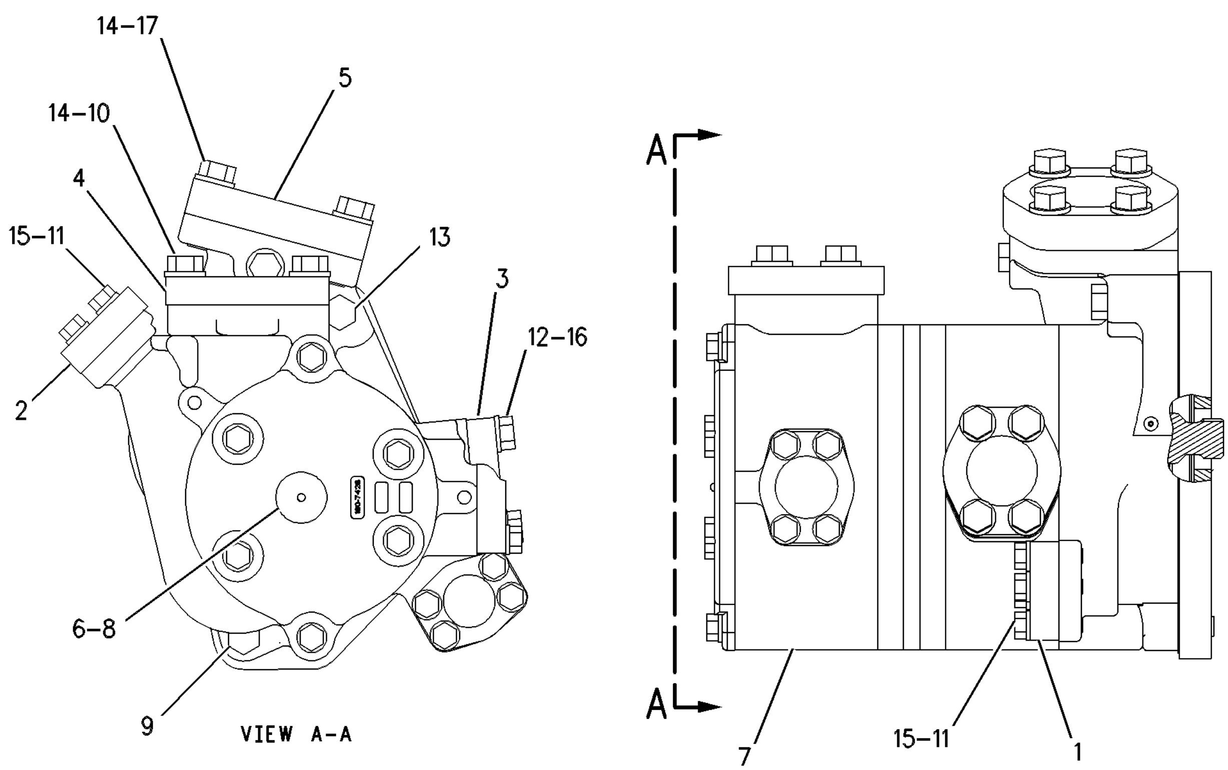
S/N: AKA1-UP

PART OF 156-2542 LINES GP-POWER TRAIN OIL

SMCS-3115, 3153 i01486802

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1P-4576** | 2 | FLANGE | |
| | 2 | 1 | **1P-4577** | 4 | FLANGE-HALF | |
| | 3 | 1 | **1P-4578** | 2 | FLANGE-HALF | |
| | 4 | 1 | **1P-4582** | 2 | FLANGE-HALF | |
| | 5 | 1 | **1P-4584** | 2 | FLANGE-HALF | |
| | 6 | 1 | **7B-3028** | 1 | SCREW-DRIVE (NO 4X3/16 IN) | |
| Y | 7 | 1 | **160-1835** | 1 | PUMP GP-GEAR | 342 |
| | 8 | 1 | **165-7833** | 1 | PLATE-IDENTIFICATION | |
| | 9 | 1 | **0S-1587** | 1 | BOLT (1/2-13X1.75 IN) | |
| | 10 | 1 | **5P-2566** | 4 | BOLT (1/2-13X1.5 IN) | |
| | 11 | 1 | **5S-7382** | 12 | BOLT (3/8-16X1.375 IN) | |
| | 12 | 1 | **7X-0308** | 4 | BOLT (7/16-14X1.375 IN) | |
| | 13 | 1 | **7X-0325** | 1 | BOLT (1/2-13X2.5 IN) | |
| | 14 | 1 | **8T-4223** | 8 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 15 | 1 | **8T-4896** | 12 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 16 | 1 | **8T-5360** | 4 | WASHER (12X22.5X2.5MM THK) | |
| | 17 | 1 | **8T-8919** | 4 | BOLT (1/2-13X1.75 IN) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00651339

# *160-1835* PUMP GP-GEAR

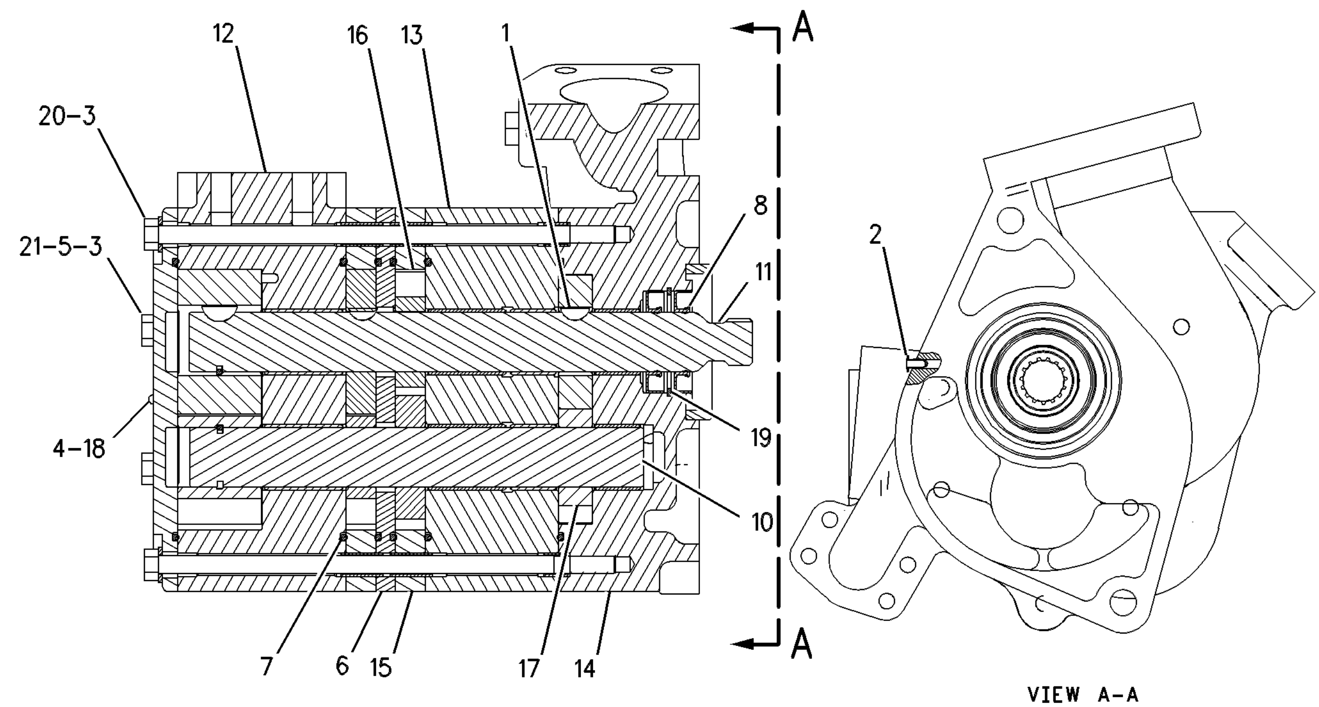
**S/N: AKA1-UP**

**PART OF 160-1834 PUMP GP-GEAR**

**SMCS-3115, 3153** **i01486810**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1B-8705** | 3 | KEY-WOODRUFF | |
| | 2 | 1 | **3G-7242** | 1 | PLUG | |
| | 3 | 1 | **3S-0004** | 6 | WASHER (0.406X0.728X0.09 IN THK) | |
| | 4 | 1 | **7B-3028** | 1 | SCREW-DRIVE (NO 4X3/16 IN) | |
| | 5 | 1 | **9S-1018** | 8 | WASHER (9.73X19.05X.84MM THK) | |
| | 6 | 1 | **9W-3273** | 1 | SPACER-OIL PUMP | |
| | 7 | 1 | **129-1609** | 6 | SEAL-O-RING | |
| | 8 | 1 | **137-7657** | 2 | SEAL-LIP TYPE | |
| | 9 | 1 | **160-7428** | 1 | COVER-OIL PUMP | |
| | 10 | 1 | **161-4018** | 1 | GEAR AS-OIL PUMP | |
| | 11 | 1 | **161-4019** | 1 | GEAR AS-OIL PUMP | |
| | 12 | 1 | **161-9937** | 1 | BODY AS-OIL PUMP | |
| | | 1 | **1M-3909** | 2 | BEARING-SLEEVE | |
| | 13 | 1 | **161-9938** | 1 | MANIFOLD AS | |
| | | 1 | **2A-3746** | 2 | PLUG-CUP | |
| | | 1 | **1M-3780** | 2 | BEARING-SLEEVE | |
| | | 1 | **5M-4987** | 2 | DOWEL | |
| | | 1 | **1M-3909** | 2 | BEARING-SLEEVE | |
| | 14 | 1 | **161-9939** | 1 | BODY AS-OIL PUMP | |
| | | 1 | **1M-3780** | 2 | BEARING-SLEEVE | |
| | | 1 | **6Y-4205** | 1 | ADAPTER | |
| | 15 | 1 | **162-2787** | 2 | BODY AS-OIL PUMP | |
| | | 1 | **9M-4388** | 2 | DOWEL | |
| | 16 | 1 | **162-2791** | 4 | GEAR-OIL PUMP | |
| | 17 | 1 | **162-2792** | 2 | GEAR-OIL PUMP | |
| | 18 | 1 | **165-7834** | 1 | PLATE-IDENTIFICATION | |
| | 19 | 1 | **3J-8500** | 1 | RING-RETAINING | |
| | 20 | 1 | **4H-3283** | 2 | BOLT (3/8-16X9.5IN) | |
| | 21 | 1 | **5F-6044** | 4 | BOLT (3/8-16X9 IN) | |

*160-1835* **PUMP GP-GEAR** ***(contd.)*** **i01486810**




GRAPHIC #1

g00531623

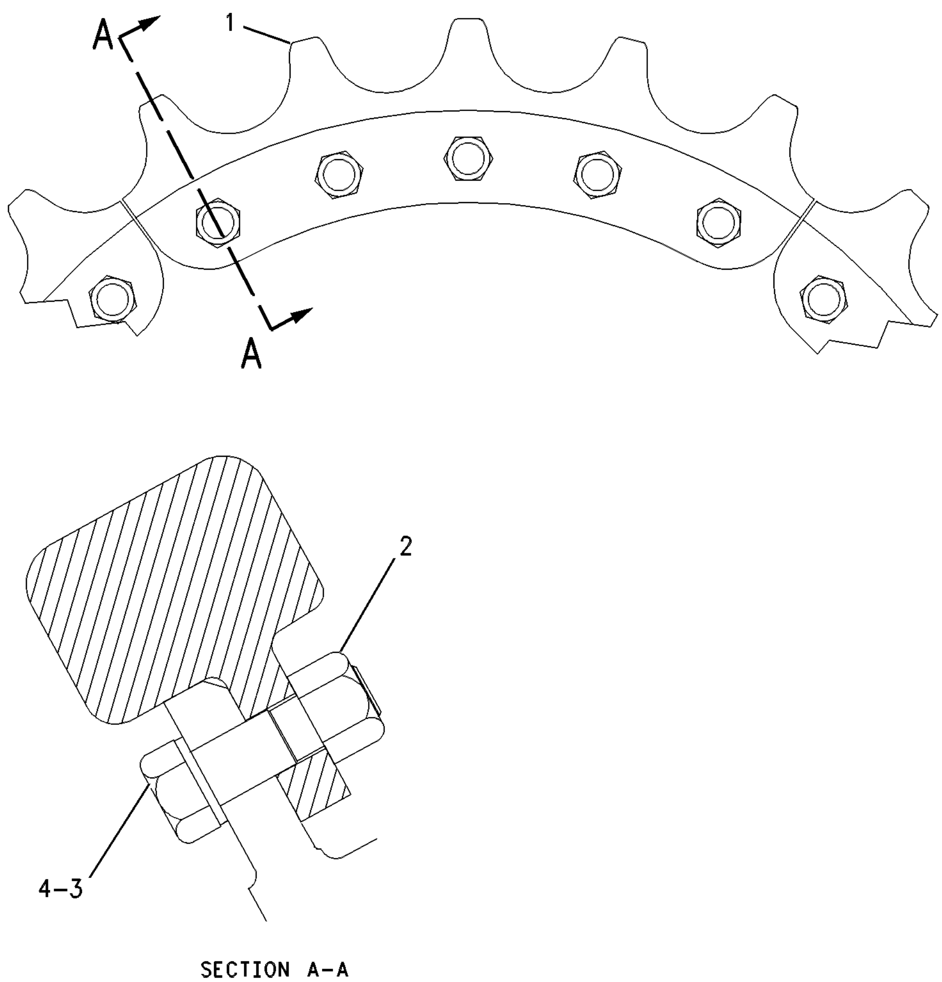
# *156-5341* SEGMENT GP-SPROCKET

S/N: AKA1-UP

PART OF 128-0302, 157-5072, 159-7941 FINAL DRIVE GP

SMCS-4155 | i01430470

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **173-0948** | 5 | SEGMENT-SPROCKET | |
| | 2 | 1 | **7H-3608** | 25 | NUT | |
| | 3 | 1 | **5P-7665** | 25 | BOLT-SPROCKET | |
| | 4 | 1 | **6V-5841** | 25 | WASHER-HARD | |




GRAPHIC #1

g00525160

# *160-9933* SHAFT GP-MAIN DRIVE

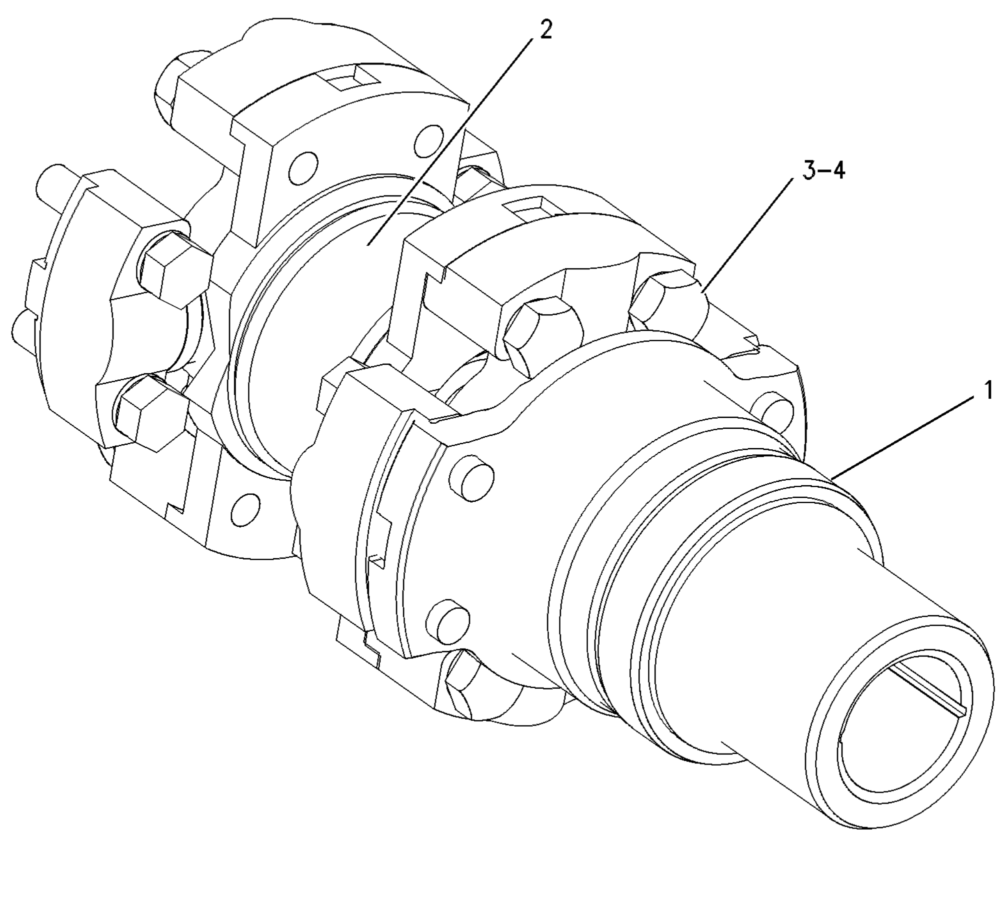
**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-3253** **i01429920**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9G-1930** | 1 | YOKE AS | |
| | | 1 | **7D-1677** | 1 | RACE-BEARING INNER | |
| | | 1 | **8H-2768** | 1 | PLUG-CUP | |
| Y | 2 | 1 | **155-1371** | 1 | UNIVERSAL JOINT GP | 353 |
| | 3 | 1 | **0S-0484** | 8 | BOLT (1/2-20X2.25IN) | |
| | 4 | 1 | **5P-7213** | 8 | WASHER-HARD (13.5X20.5X2MM THK) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00527134

# 161-3304 TORQUE CONVERTER GP

S/N: CJA1-UP

PART OF 161-3305 TORQUE CONVERTER GP

SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130, 3131, 3134, 3135, 3136

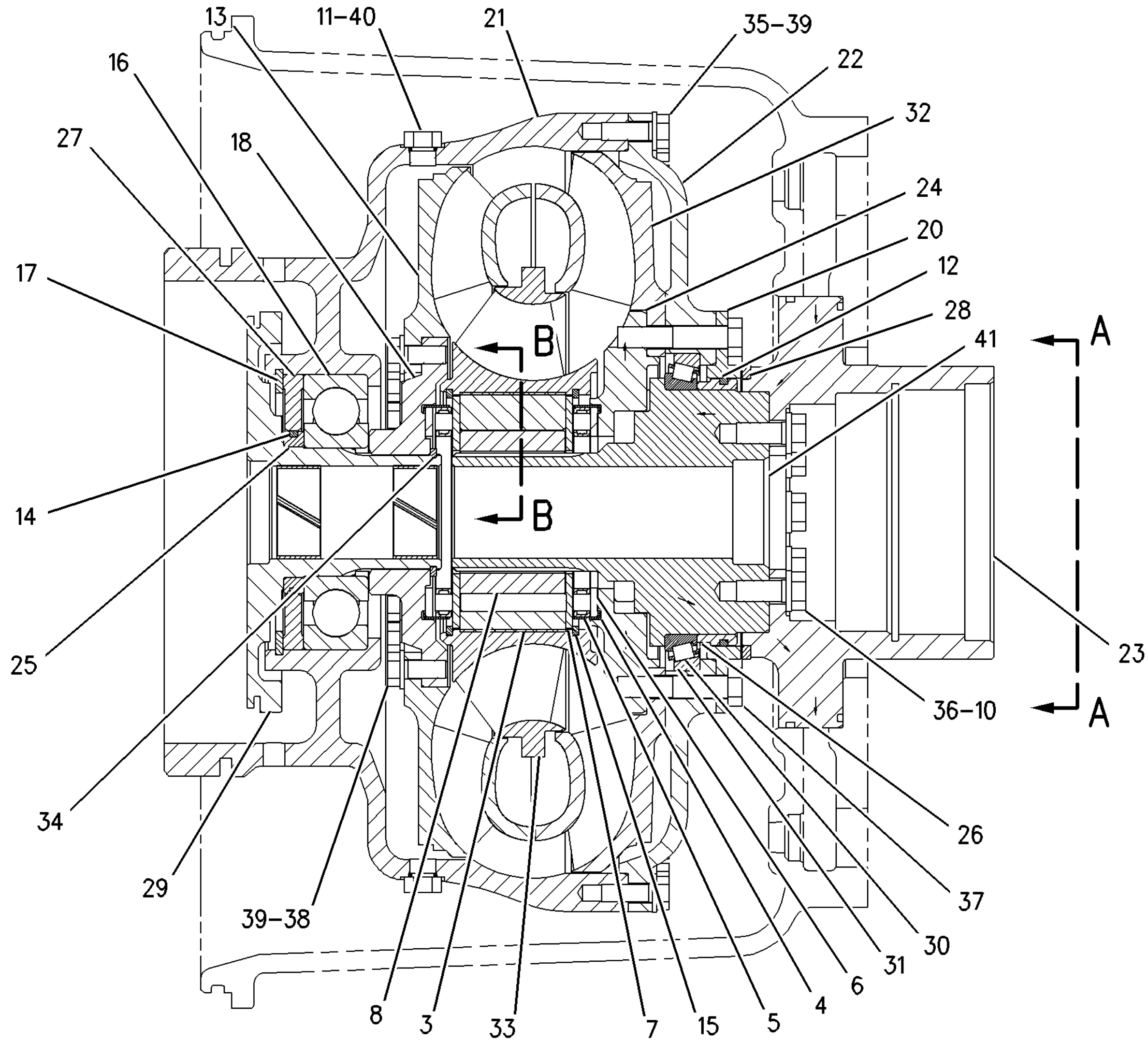
i01431840

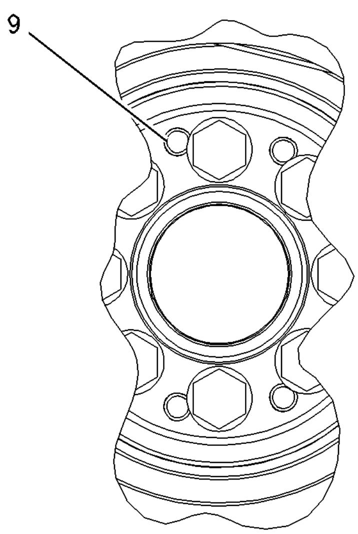
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1T-0679** | 11 | ROLLER-FREEWHEEL | |
| | 2 | 1 | **1T-0680** | 11 | SPRING-FREEWHEEL | |
| | 3 | 1 | **1T-0681** | 1 | CAM-FREEWHEEL | |
| | 4 | 1 | **1T-1278** | 2 | BEARING-THRUST | |
| | 5 | 1 | **1T-1281** | 2 | RETAINER-BEARING | |
| | 6 | 1 | **1T-1282** | 2 | RACE-THRUST BEARING | |
| | 7 | 1 | **1T-1589** | 2 | RACE-THRUST BEARING | |
| | 8 | 1 | **1T-1590** | 1 | RACE-FREEWHEEL | |
| | 9 | 1 | **2L-3650** | 4 | PIN-SPRING | |
| | 10 | 1 | **3H-7654** | 8 | WASHER-HARD (13.5X22.5X3MM THK) | |
| | 11 | 1 | **3J-1907** | 2 | SEAL-O-RING (11.89MM ID) | |
| | 12 | 1 | **9W-6990** | 1 | RING-SEAL | |
| | 13 | 1 | **7G-7541** | 1 | TURBINE-CONVERTER | |
| | 14 | 1 | **7G-8427** | 1 | RING-SEAL | |
| | 15 | 1 | **8B-7789** | 2 | RING-SNAP | |
| | 16 | 1 | **9H-0362** | 1 | BALL BEARING | |
| | 17 | 1 | **109-0119** | 1 | RING-RETAINING | |
| | 18 | 1 | **152-5221** | 1 | HUB-TURBINE | |
| | 20 | 1 | **169-4738** | 1 | SLEEVE-WEAR | |
| | 21 | 1 | **152-7141** | 1 | HOUSING-ROTATING | |
| | 22 | 1 | **169-4736** | 1 | FLANGE AS | |
| | | 1 | **9M-4007** | 2 | DOWEL | |
| | 23 | 1 | **169-4741** | 1 | SUPPORT-STATOR | |
| | 24 | 1 | **152-7160** | 1 | HUB-IMPELLER | |
| | 25 | 1 | **153-9650** | 1 | CARRIER | |
| | 26 | 1 | **169-4739** | 1 | CARRIER | |
| | 27 | 1 | **154-2558** | 1 | SLEEVE | |
| | 28 | 1 | **169-4737** | 1 | PLATE-THRUST | |
| | 29 | 1 | **155-2821** | 1 | FLANGE AS-OUTPUT | |
| | | 1 | **156-7485** | 2 | BEARING-SLEEVE | |
| | 30 | 1 | **155-6648** | 1 | CONE-BEARING | |
| | 31 | 1 | **155-6647** | 1 | CUP-BEARING | |
| | 32 | 1 | **156-7238** | 1 | IMPELLER | |
| | 33 | 1 | **156-7239** | 1 | STATOR | |
| | 34 | 1 | **3F-3727** | 1 | RING-SNAP | |
| M | 35 | 1 | **6V-1820** | 24 | BOLT (M10X1.50X30MM) | |
| M | 36 | 1 | **6V-3668** | 8 | BOLT (M12X1.75X30MM) | |
| M | 37 | 1 | **6V-3823** | 12 | BOLT (M12X1.75X60MM) | |
| M | 38 | 1 | **6V-4248** | 20 | BOLT (M10X1.50X25MM) | |
| | 39 | 1 | **6V-5839** | 44 | WASHER (11X21X2.5MM THK) | |
| | 40 | 1 | **9S-4191** | 2 | PLUG | |
| | 41 | 1 | **169-4740** | 1 | CARRIER-STATOR | |

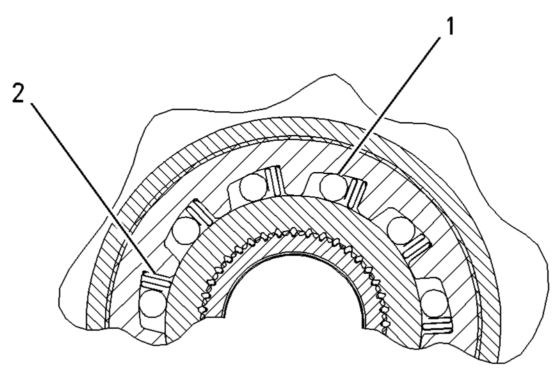
M-METRIC PART

## 161-3304 TORQUE CONVERTER GP *(contd.)*

i01431840




SECTION B-B

VIEW A-A

GRAPHIC #1

g00662958

# *161-3305* TORQUE CONVERTER GP

S/N: CJA1-UP

PART OF 161-3306 TORQUE CONVERTER GP

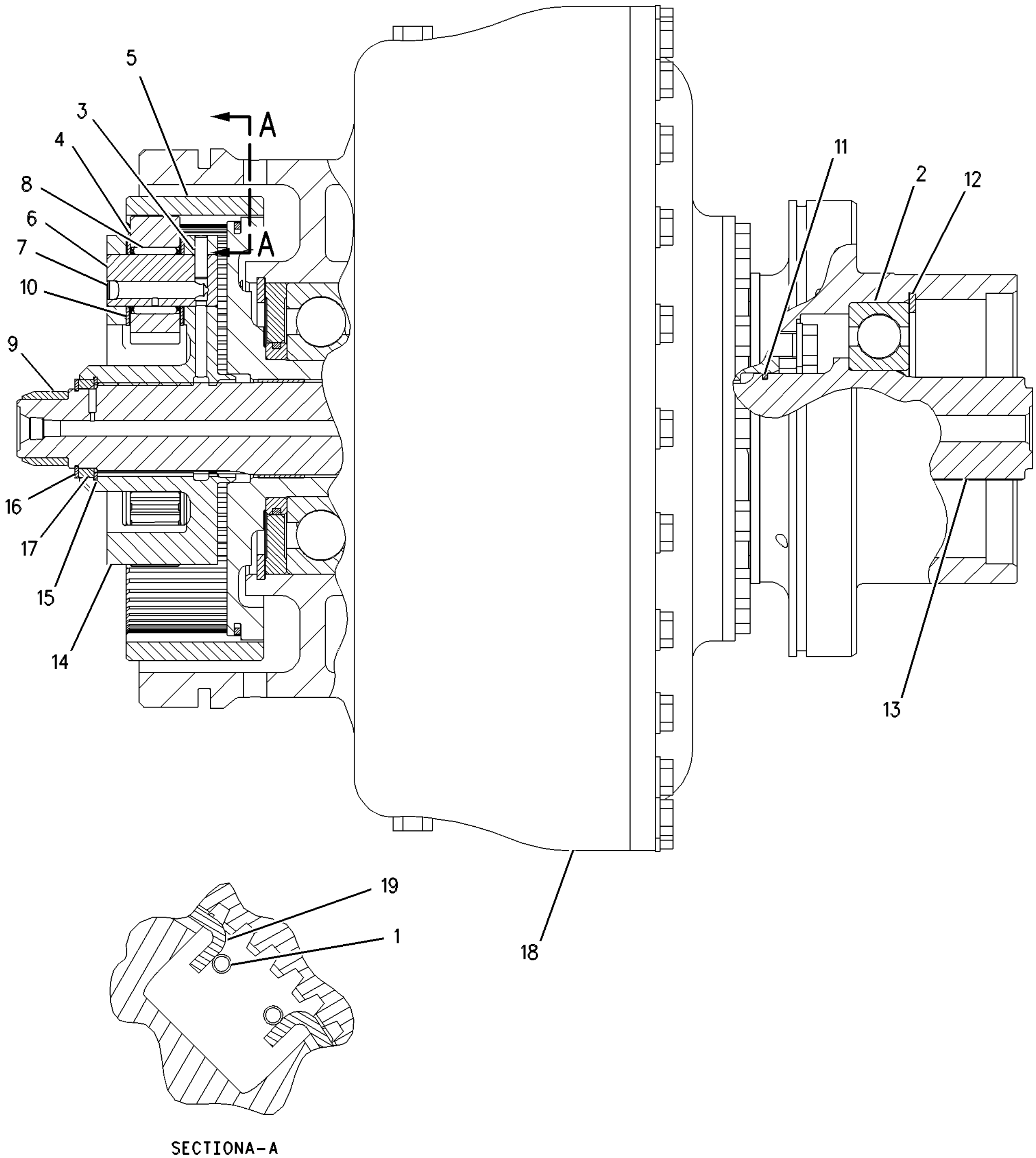
SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130, 3131, 3134, 3135, 3136

i01431828

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2K-5986** | 2 | PIN-SPRING | |
| | 2 | 1 | **3H-1996** | 1 | BEARING | |
| | 3 | 1 | **3S-2708** | 3 | PIN-SPRING | |
| | 4 | 1 | **3T-4008** | 3 | GEAR-PLANETARY (23 TEETH) (23 TEETH) | |
| | 5 | 1 | **3T-4009** | 1 | GEAR-RING (82 TEETH) (82 TEETH) | |
| | 6 | 1 | **3T-4011** | 3 | SHAFT AS-PLANETARY | |
| | 7 | 1 | **2A-3746** | 1 | PLUG-CUP | |
| | 8 | 1 | **5P-3930** | 3 | BEARING AS-ROLLER | |
| | 9 | 1 | **5P-7679** | 1 | RACE-SPECIAL ROLLER BEARING | |
| | 10 | 1 | **8E-8300** | 6 | DISC-THRUST | |
| | 11 | 1 | **9M-2008** | 1 | RING-METAL SEAL | |
| | 12 | 1 | **002-3136** | 1 | RING-SNAP | |
| | 13 | 1 | **152-7157** | 1 | SHAFT AS | |
| | | 1 | **5J-7386** | 1 | PLUG-ORIFICE (1/8-27 THD) | |
| | 14 | 1 | **156-5137** | 1 | CARRIER-PLANETARY | |
| | 15 | 1 | **157-0687** | 1 | RING-RETAINING | |
| | 16 | 1 | **157-0688** | 1 | RING-RETAINING | |
| | 17 | 1 | **157-1350** | 1 | RETAINER-CARRIER | |
| Y | 18 | 1 | **161-3304** | 1 | TORQUE CONVERTER GP | 346 |
| | 19 | 1 | **5M-7878** | 1 | RING-SNAP | |

Y-SEPARATE ILLUSTRATION

*161-3305* **TORQUE CONVERTER GP** ***(contd.)*** **i01431828**




GRAPHIC #1

g00531584

# *161-3306* TORQUE CONVERTER GP

**S/N: AKA1-UP**

**WITH HOUSING**

**PART OF 157-0820 POWER TRAIN AR**

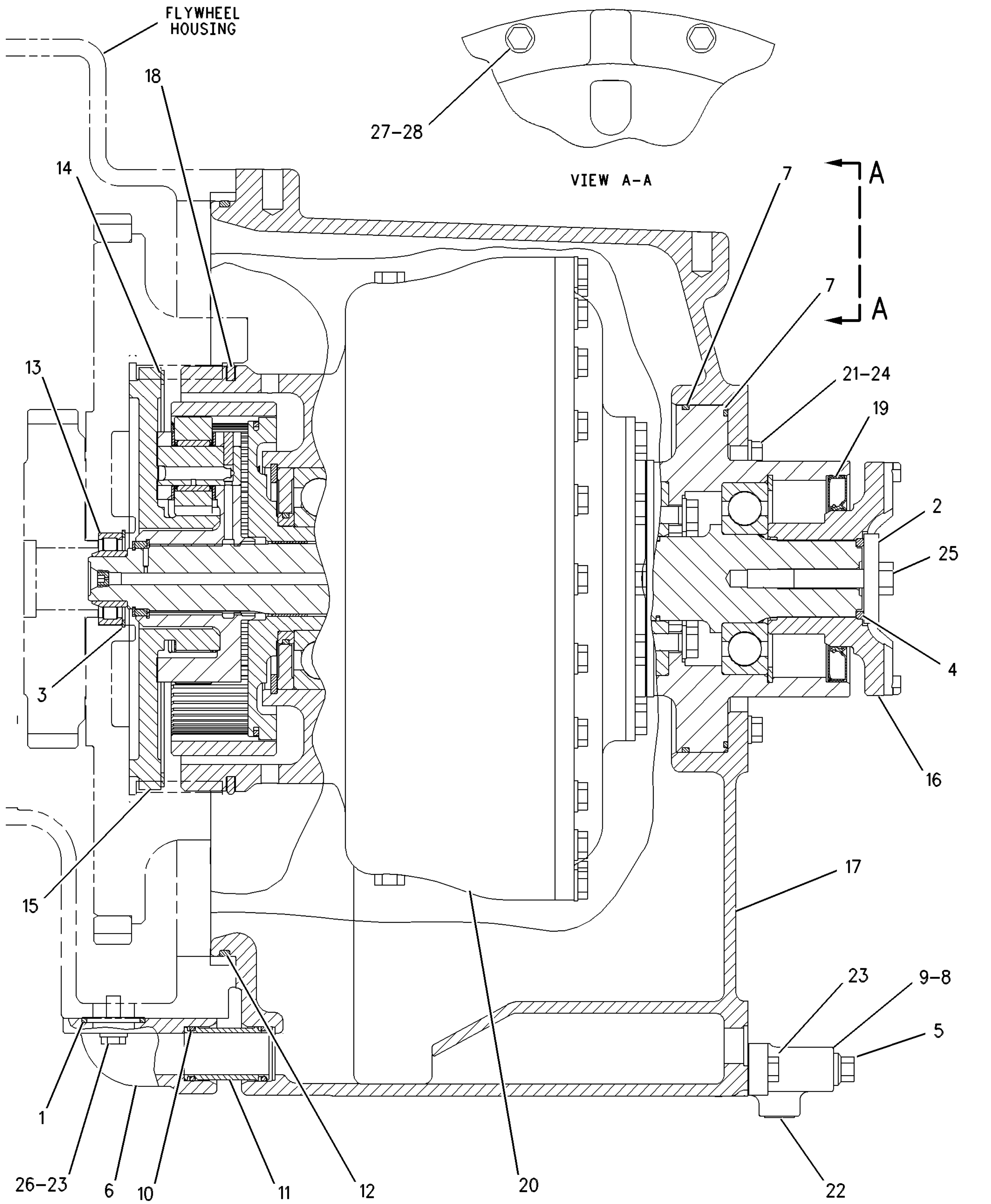
**SMCS-3101, 3102, 3105, 3127, 3128, 3129, 3130, 3131, 3134, 3135, 3136**

**i01431713**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1S-9799** | 1 | SEAL-O-RING (36.09MM ID) | |
| | 2 | 1 | **1T-1402** | 1 | RETAINER-SHAFT | |
| | 3 | 1 | **2D-1523** | 1 | RING-RETAINING | |
| | 4 | 1 | **2S-2251** | 1 | SEAL-O-RING (43.82MM ID) | |
| | 5 | 1 | **4B-7739** | 1 | PLUG-DRAIN | |
| | 6 | 1 | **7G-5320** | 1 | ELBOW | |
| | 7 | 1 | **186-3075** | 2 | SEAL-O-RING | |
| | 8 | 1 | **8H-9818** | 1 | GASKET | |
| | 9 | 1 | **8H-9819** | 1 | ADAPTER-PLUG | |
| | 10 | 1 | **8M-4433** | 2 | SEAL-O-RING (29.74MM ID) | |
| | 11 | 1 | **8S-9008** | 1 | SLEEVE | |
| | 12 | 1 | **9H-0846** | 1 | SEAL-O-RING (494.66MM ID) | |
| | 13 | 1 | **9H-8712** | 1 | BEARING AS | |
| | 14 | 1 | **9M-1976** | 1 | RING-RETAINING | |
| | 15 | 1 | **9P-3709** | 1 | GEAR-SUN (35 TEETH) | |
| | 16 | 1 | **152-7162** | 1 | YOKE | |
| | 17 | 1 | **155-2725** | 1 | HOUSING AS-TORQUE CONVERTER | |
| | | 1 | **4K-8603** | 2 | PLUG-CUP (25.73MM ID) | |
| | 18 | 1 | **155-5161** | 1 | SEAL-OIL | |
| | 19 | 1 | **156-4575** | 1 | SEAL-LIP TYPE | |
| Y | 20 | 1 | *161-3305* | 1 | TORQUE CONVERTER GP | 348 |
| | 21 | 1 | **0S-1588** | 8 | BOLT (3/8-16X1.25 IN) | |
| | 22 | 1 | **2B-0858** | 1 | PLUG-PIPE | |
| | 23 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 24 | 1 | **5M-2894** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 25 | 1 | **7X-3188** | 1 | BOLT (1/2-20 THD) | |
| | 26 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 27 | 1 | **8T-5360** | 10 | WASHER (12X22.5X2.5MM THK) | |
| | 28 | 1 | **8T-9382** | 10 | BOLT (7/16-14X1.25 IN) | |

Y-SEPARATE ILLUSTRATION

*161-3306* **TORQUE CONVERTER GP** ***(contd.)*** **i01431713**




GRAPHIC #1 g00546284

# 164-0234 TRANSMISSION AR

S/N: 6GY1-UP

PART OF 157-0820 POWER TRAIN AR

SMCS-3030, 3060, 3160 i01430871

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **128-2723** | 1 | CASE & PARTS GP-PLANETARY | 302 |
| Y | **163-5641** | 1 | CONTROL GP-TRANSMISSION HYD | 306 |
| Y | **156-9780** | 1 | GEAR GP-BEVEL & TRANSFER | 320 |
| Y | **128-2722** | 1 | PLANETARY GP-TRANSMISSION | 336 |

Y-SEPARATE ILLUSTRATION

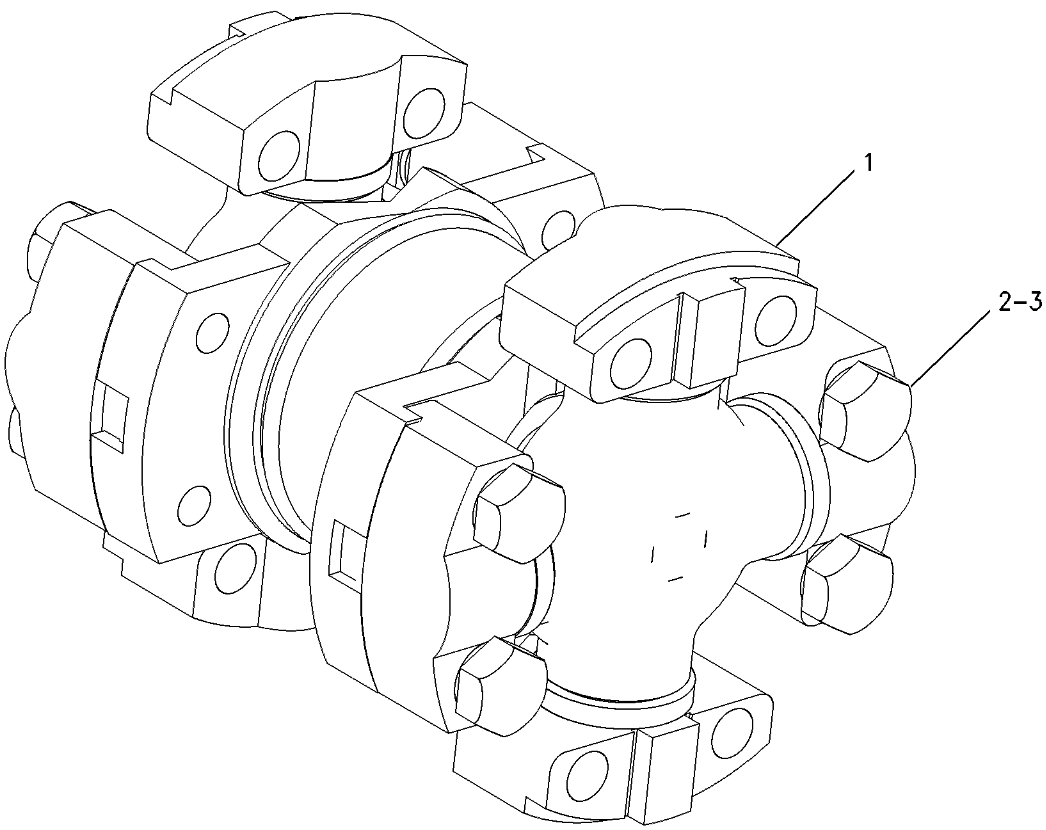
# 155-1371 UNIVERSAL JOINT GP

**S/N: AKA1-UP**

**PART OF 160-9933 SHAFT GP-MAIN DRIVE**

**SMCS-3251, 3253** **i01429937**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9P-0356** | 2 | SPIDER & BEARING AS | |
| | 2 | 1 | **0S-0484** | 8 | BOLT (1/2-20X2.25IN) | |
| | 3 | 1 | **5P-7213** | 8 | WASHER-HARD (13.5X20.5X2MM THK) | |




GRAPHIC #1 g00526874

## *158-8076* VALVE & MTG GP-POWER TRAIN

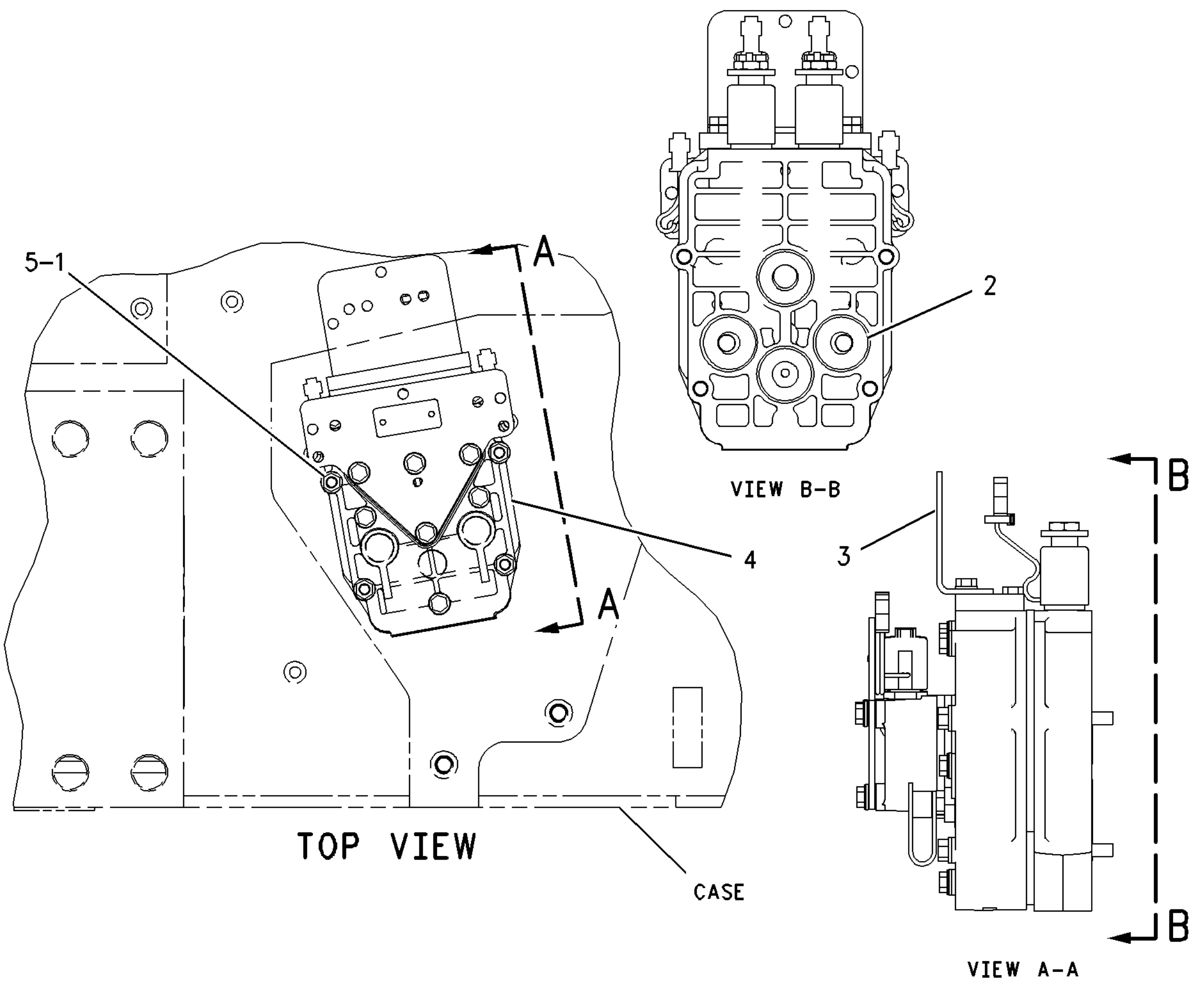
**S/N: AKA1-UP**

**PART OF 157-0820 POWER TRAIN AR**

**SMCS-3073** **i01431230**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3S-0004** | 4 | WASHER (.406X.728X.09 IN THK) | |
| | 2 | 1 | **8M-5254** | 4 | SEAL-O-RING (31.34MM ID) | |
| | 3 | 1 | **115-4371** | 1 | PLATE | |
| Y | 4 | 1 | **160-2456** | 1 | VALVE GP-CONTROL | 356 |
| | 5 | 1 | **1A-5183** | 4 | BOLT (3/8-16X4.75 IN) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00621958

# MEMORANDA

# *160-2456* VALVE GP-CONTROL

**S/N: AKA1-UP**

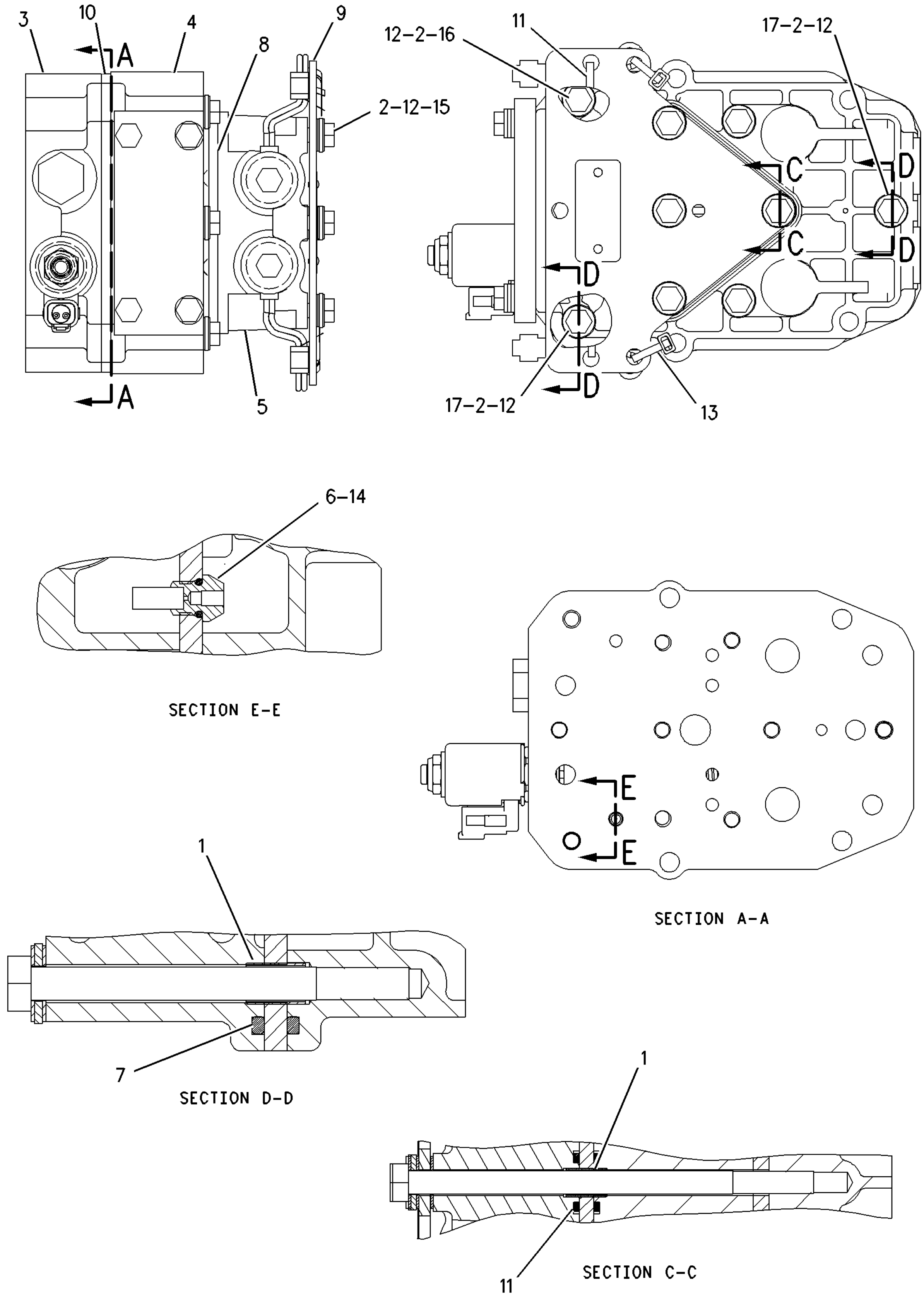
**PART OF 158-8076 VALVE & MTG GP-POWER TRAIN**

**SMCS-3167** **i01486930**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9L-9068** | 4 | DOWEL | |
| | 2 | 1 | **9P-9150** | 24 | WASHER (8.25X18X.84MM THK) | |
| Y | 3 | 1 | *162-5357* | 1 | MANIFOLD & VALVE GP | 329 |
| Y | 4 | 1 | **162-5367** | 1 | VALVE GP-CONTROL | 358 |
| Y | 5 | 1 | *175-4972* | 1 | MANIFOLD & VALVE GP | 330 |
| | 6 | 1 | **176-0259** | 1 | PLUG | |
| | 7 | 1 | **122-3771** | 2 | SEAL-O-RING | |
| | 8 | 1 | **132-9899** | 1 | PLATE | |
| | 9 | 1 | **132-9900** | 1 | PLATE | |
| | 10 | 1 | **134-1251** | 1 | PLATE-SEPARATOR | |
| | 11 | 1 | **185-3503** | 2 | SEAL-O-RING | |
| | 12 | 1 | **1T-0738** | 10 | WASHER (8.4X19X1.83MM THK) | |
| | 13 | 1 | **3S-2093** | 4 | STRAP-CABLE | |
| | 14 | 1 | **4J-7533** | 1 | SEAL-O-RING | |
| M | 15 | 1 | **7X-2541** | 4 | BOLT (M8X1.25X140MM) | |
| M | 16 | 1 | **8T-3647** | 4 | BOLT (M8X1.25X80MM) | |
| M | 17 | 1 | **8T-4177** | 2 | BOLT (M8X1.25X90MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*160-2456* **VALVE GP-CONTROL** ***(contd.)*** **i01486930**




GRAPHIC #1

g00721091

# *162-5367* VALVE GP-CONTROL

S/N: AKA1-UP

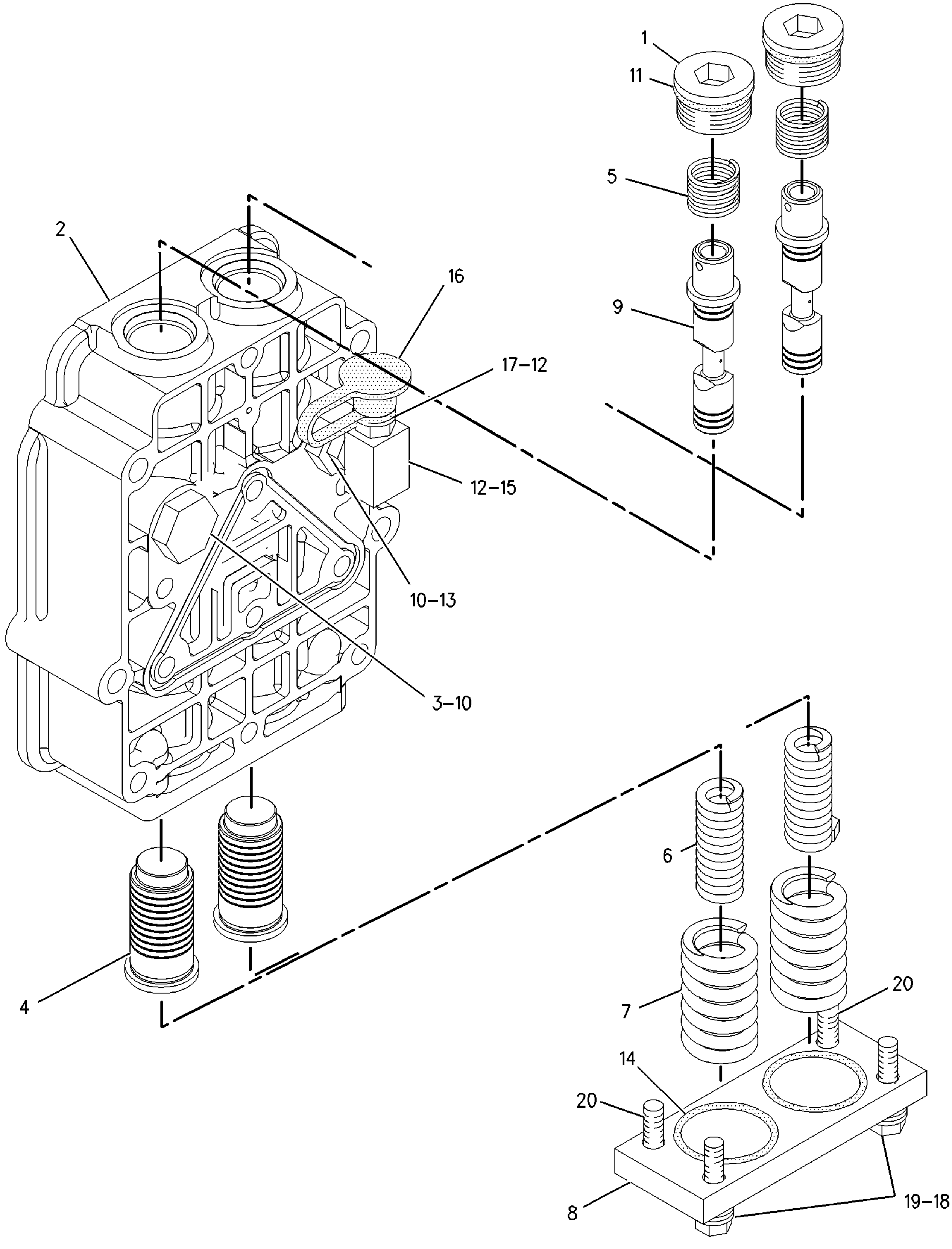
PART OF 160-2456 VALVE GP-CONTROL

SMCS-3167 i01486947

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-8008** | 2 | PLUG-O-RING | |
| Z | 2 | 1 | | 1 | BODY-VALVE | |
| | 3 | 1 | **9S-4190** | 21 | PLUG-O-RING | |
| | 4 | 1 | **108-4429** | 2 | PISTON-LOAD | |
| | 5 | 1 | **108-4430** | 2 | SPRING | |
| | 6 | 1 | **108-4431** | 2 | SPRING (18.8MM OD) | |
| | 7 | 1 | **108-4432** | 2 | SPRING (30.5MM OD) | |
| | 8 | 1 | **110-2842** | 1 | PLATE-END | |
| | 9 | 1 | **137-6603** | 2 | SPOOL | |
| | 10 | 1 | **2M-9780** | 2 | SEAL-O-RING | |
| | 11 | 1 | **3D-2824** | 2 | SEAL-O-RING | |
| | 12 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 13 | 1 | **5P-1404** | 1 | ADAPTER-O-RING (STRAIGHT THREAD) | |
| | 14 | 1 | **6J-2419** | 2 | SEAL-O-RING | |
| | 15 | 1 | **6V-0484** | 1 | ADAPTER-O-RING | |
| | 16 | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 17 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| M | 18 | 1 | **7X-2537** | 2 | BOLT (M8X1.25X35MM) | |
| | 19 | 1 | **8T-4224** | 2 | WASHER-HARD (8.8X16X2MM THK) | |
| M | 20 | 1 | **8T-7547** | 2 | BOLT (M8X1.25X30MM) | |

M-METRIC PART
Z-NOT SERVICED SEPARATELY

162-5367 **VALVE GP-CONTROL** *(contd.)* i01486947




GRAPHIC #1 g00758657

# *160-8408* VALVE GP-MODULATING

**S/N: 6GY1-UP**

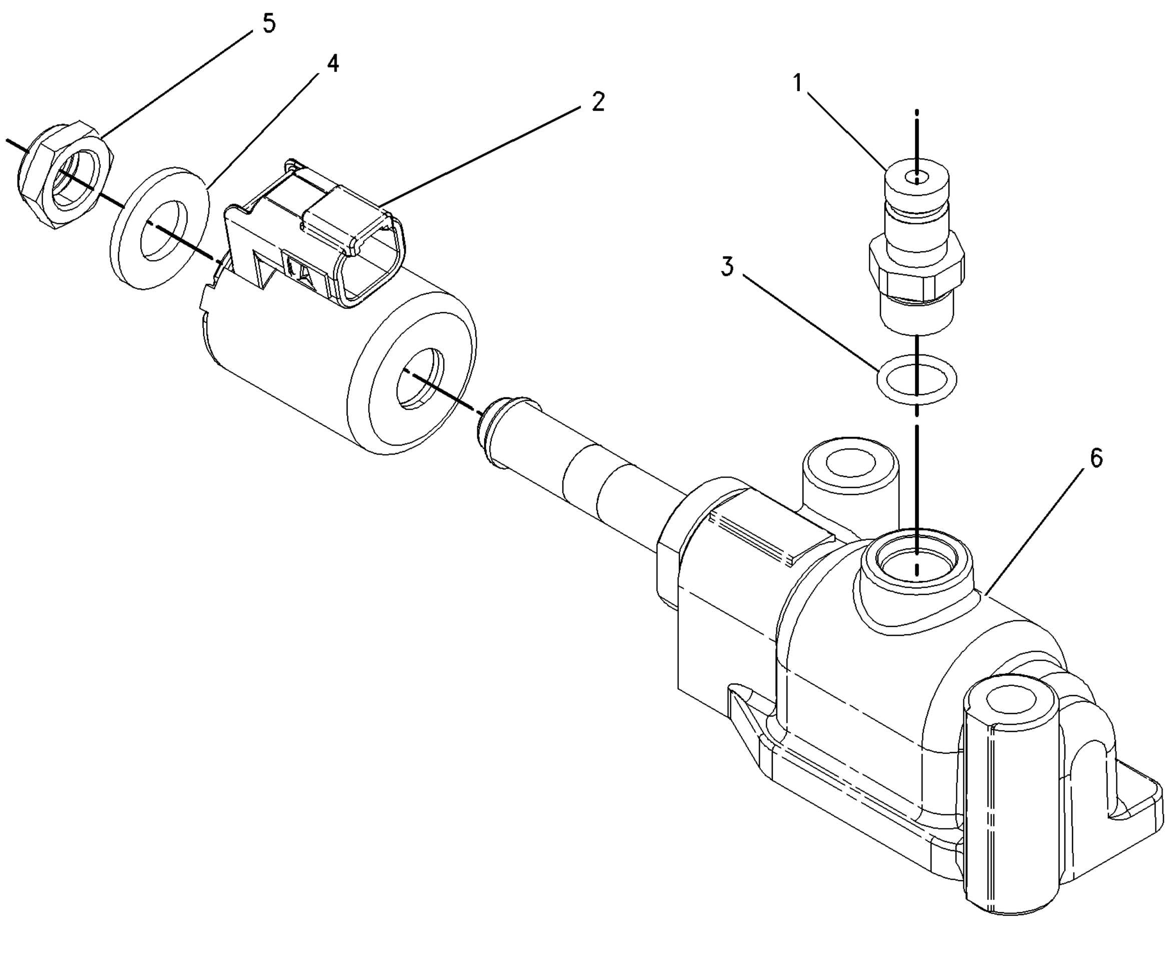
**24 VOLT DC**

**PART OF 163-5641 CONTROL GP-TRANSMISSION HYD**

**SMCS-3139** **i01430941**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 2 | 1 | **145-1144** | 1 | COIL AS | |
| | 3 | 1 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | 4 | 1 | **164-2108** | 1 | WASHER (2.38MM THK) | |
| | 5 | 1 | **167-9524** | 1 | NUT-SELF LOCKING (1/2-28 THD) | |
| Z | 6 | 1 | | | VALVE AS | |

Z-NOT SERVICED SEPARATELY




GRAPHIC #1

g00749650

# MEMORANDA

# 161-9667 VALVE GP-PRIORITY

S/N: AKA1-UP

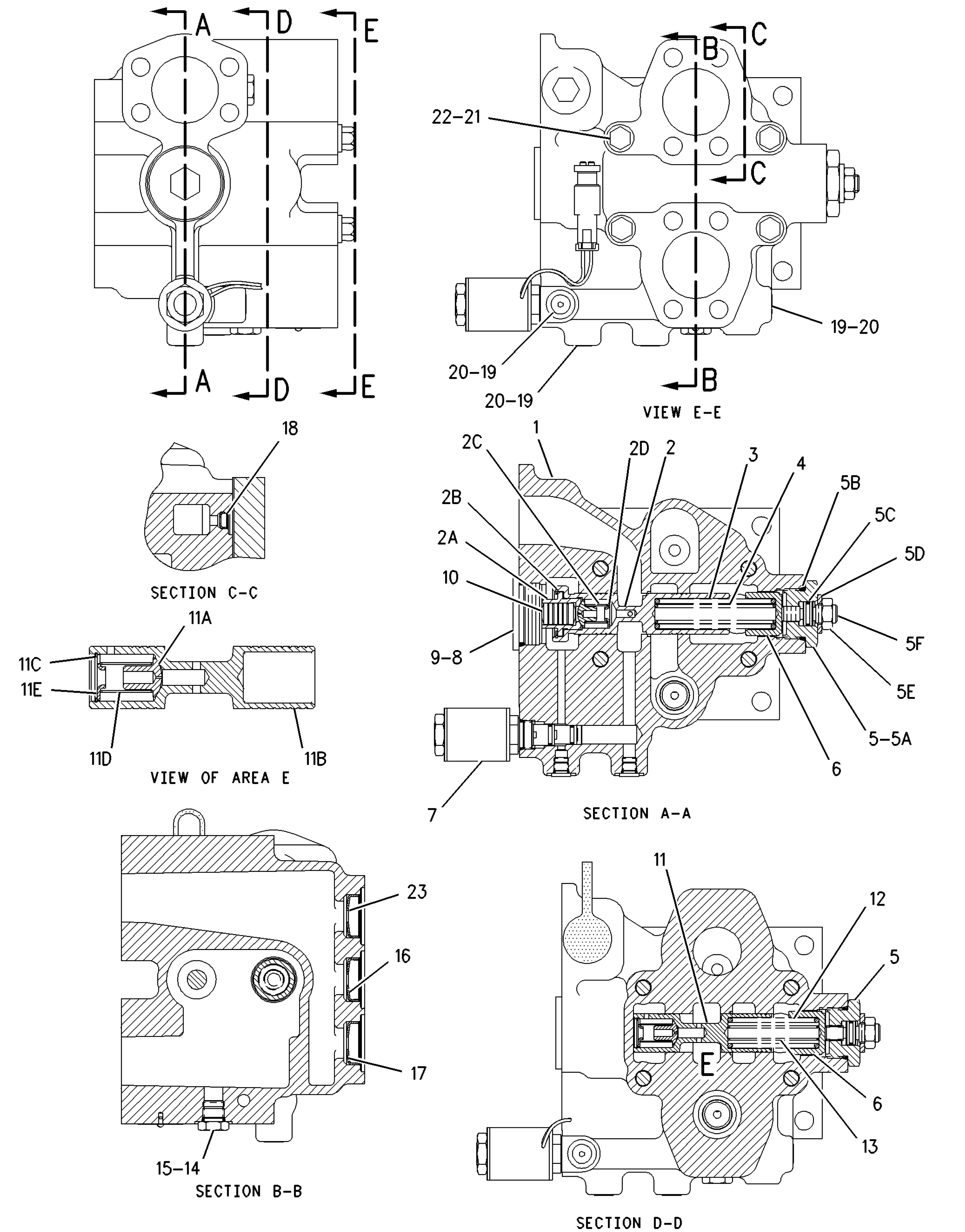
PART OF 156-2542 LINES GP-POWER TRAIN OIL

SMCS-3180, 4320 i01486825

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Z | 1 | 1 | | 1 | BODY | |
| | 2 | 1 | **145-5375** | 1 | SPOOL AS | |
| | 2A | 1 | **108-8884** | 1 | SLEEVE | |
| | 2B | 1 | **8J-6273** | 1 | RING-RETAINING | |
| | 2C | 1 | **5M-9548** | 2 | SPRING | |
| | 2D | 1 | **8M-2537** | 2 | RETAINER | |
| | 3 | 1 | **129-5222** | 1 | SPRING | |
| | 4 | 1 | **129-5223** | 1 | SPRING | |
| | 5 | 1 | **108-6523** | 2 | ADJUSTER AS | |
| | | | | | (EACH INCLUDES) | |
| | 5A | 1 | **9U-8069** | 1 | PLUG | |
| | 5B | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 5C | 1 | **4K-2039** | 1 | SEAL-O-RING | |
| | 5D | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |
| M | 5E | 1 | **095-1207** | 1 | NUT (M12X1.75 THD) | |
| | 5F | 1 | **101-9754** | 1 | SCREW-ADJUSTMENT | |
| | 6 | 1 | **129-5476** | 2 | STOP | |
| Y | 7 | 1 | **136-1679** | 1 | VALVE GP-SOLENOID (24 VOLT DC) | 369 |
| | 8 | 1 | **9S-8010** | 1 | PLUG-O-RING | |
| | 9 | 1 | **2S-4078** | 1 | SEAL-O-RING | |
| | 10 | 1 | **8P-0412** | 1 | SLUG | |
| | 11 | 1 | **4S-5983** | 1 | VALVE AS-RELIEF | |
| | 11A | 1 | **5M-9554** | 1 | VALVE-CHECK | |
| Z | 11B | 1 | | 1 | VALVE-RELIEF | |
| | 11C | 1 | **1L-3162** | 1 | RING-RETAINING | |
| | 11D | 1 | **5M-9548** | 1 | SPRING | |
| | 11E | 1 | **8M-2537** | 1 | RETAINER | |
| | 12 | 1 | **8M-8627** | 1 | SPRING | |
| | 13 | 1 | **4M-5912** | 1 | SPRING | |
| | 14 | 1 | **9S-4191** | 2 | PLUG-STRAIGHT THREAD | |
| | 15 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 16 | 1 | **164-0050** | 1 | ORIFICE | |
| | 17 | 1 | **164-0051** | 1 | ORIFICE | |
| | 18 | 1 | **164-0052** | 1 | ORIFICE | |
| | 19 | 1 | **9S-8007** | 5 | PLUG-O-RING | |
| | 20 | 1 | **7J-0204** | 5 | SEAL-O-RING | |
| | 21 | 1 | **7X-0301** | 4 | BOLT (3/8-16X7 IN) | |
| | 22 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 23 | 1 | **173-8453** | 1 | ORIFICE | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION
Z-NOT SERVICED SEPARATELY

## 161-9667 VALVE GP-PRIORITY *(contd.)* i01486825




GRAPHIC #1 g00769428

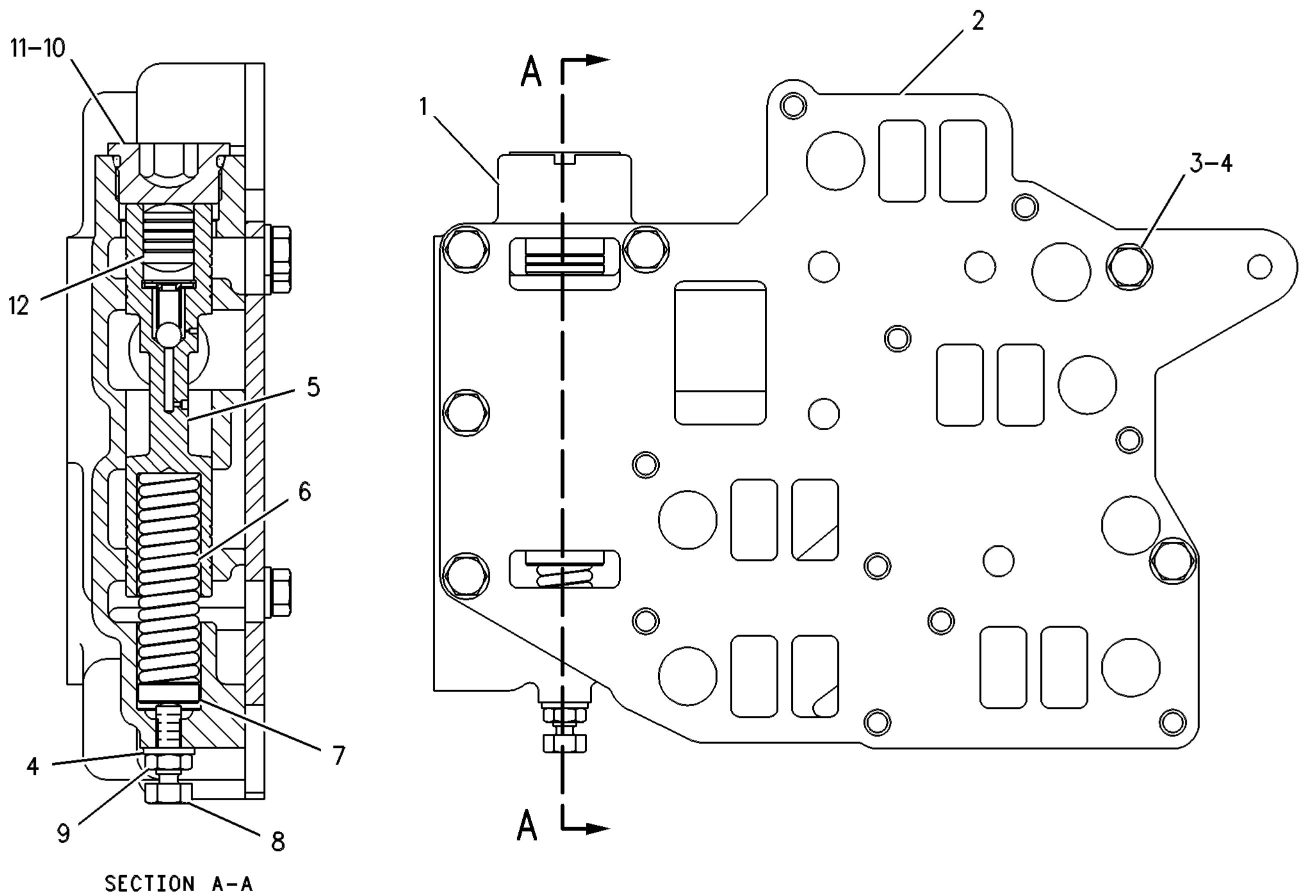
# 109-4365 VALVE GP-RELIEF

**S/N: 6GY1-UP**

**PART OF 163-5641 CONTROL GP-TRANSMISSION HYD**

**SMCS-3133, 3182** **i00600002**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **108-2096** | 1 | MANIFOLD | |
| | 2 | 1 | **106-9214** | 1 | PLATE | |
| | 3 | 1 | **2B-2695** | 6 | BOLT (5/16-18X.875IN) | |
| | 4 | 1 | **9M-1974** | 7 | WASHER-HARD (2MM THK) | |
| | 5 | 1 | **109-3968** | 1 | SPOOL AS-RELIEF | |
| | 6 | 1 | **106-9212** | 1 | SPRING | |
| | 7 | 1 | **109-3969** | 1 | STOP | |
| | 8 | 1 | **4M-5905** | 1 | SCREW-ADJUSTMENT | |
| | 9 | 1 | **5B-3180** | 1 | NUT (5/16-18 THD) | |
| | 10 | 1 | **6Y-4638** | 1 | PLUG-HEX SOCKET | |
| | 11 | 1 | **7M-8485** | 1 | SEAL-O-RING (29.74MM ID) | |
| | 12 | 1 | **2M-7041** | 1 | SLUG | |




GRAPHIC #1 g00254128

# 161-5793 VALVE GP-RELIEF

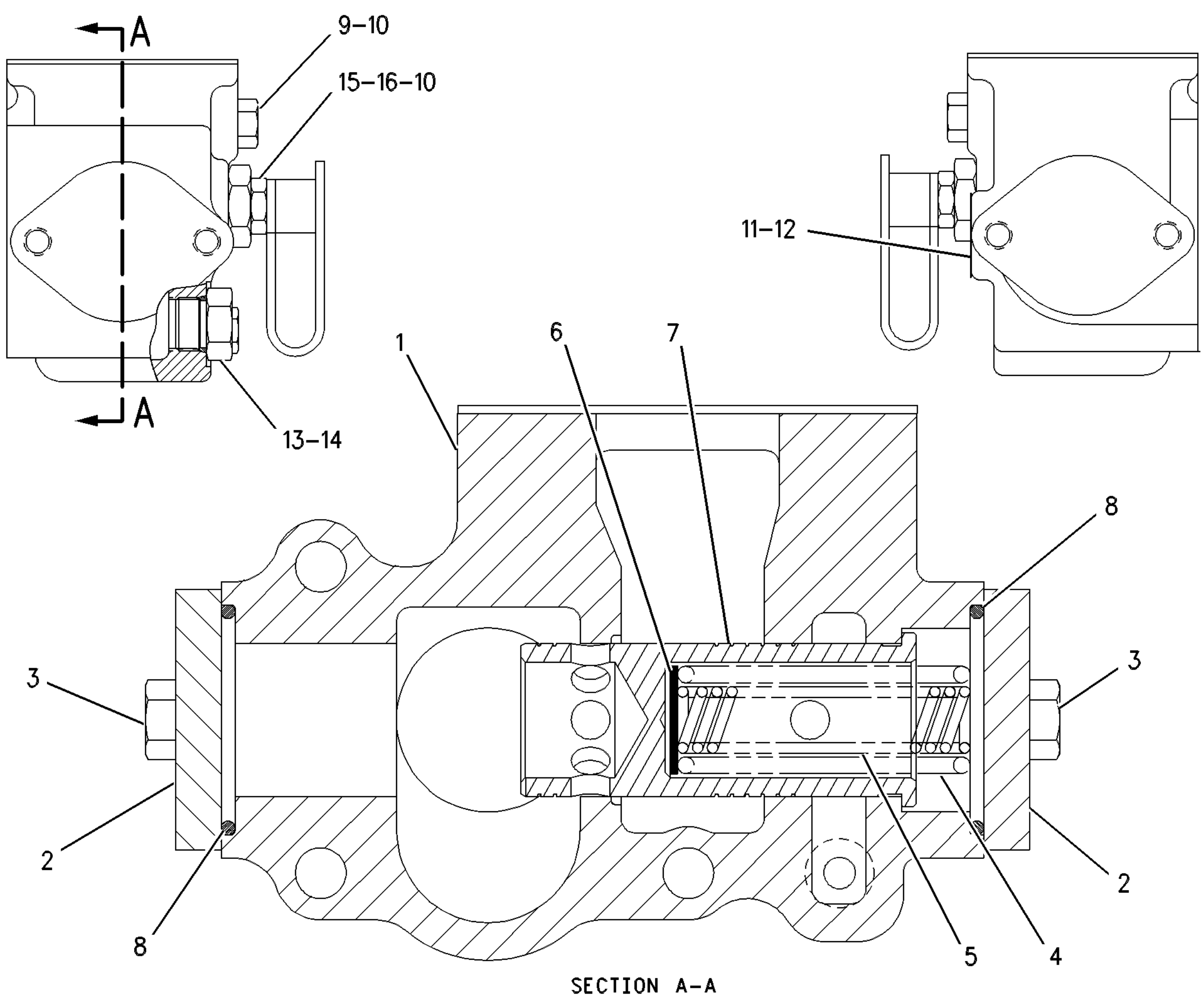
**S/N: AKA1-UP**

**PART OF 156-2542 LINES GP-POWER TRAIN OIL**

**SMCS-3133, 3182** **i01486851**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **161-5794** | 1 | BODY-RELIEF VALVE | |
| | 2 | 1 | **4M-8239** | 2 | COVER | |
| | 3 | 1 | **0S-1594** | 4 | BOLT (3/8-16X1 IN) | |
| | 4 | 1 | **1W-9860** | 1 | SPRING | |
| | 5 | 1 | **115-3514** | 1 | SPRING | |
| B | 6 | 1 | **8J-6709** | 6 | SHIM (.25MM THK) | |
| | 7 | 1 | **115-0482** | 1 | SPOOL | |
| | 8 | 1 | **8M-4992** | 2 | SEAL-O-RING (40.87MM ID) | |
| | 9 | 1 | **9S-4191** | 2 | PLUG-STRAIGHT THREAD | |
| | 10 | 1 | **3J-1907** | 3 | SEAL-O-RING | |
| N | 11 | 1 | **161-5795** | 1 | PLATE-IDENTIFICATION | |
| | 12 | 1 | **7B-3028** | 1 | SCREW-DRIVE (NO 4X3/16 IN) | |
| | 13 | 1 | **9S-4185** | 1 | PLUG-O-RING | |
| | 14 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 15 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 16 | 1 | **6V-0852** | 1 | CAP-DUST | |

B-USE AS REQUIRED
N-NEW PART




GRAPHIC #1

g00525531

# 183-8388 VALVE GP-SERVO

S/N: AKA1-UP

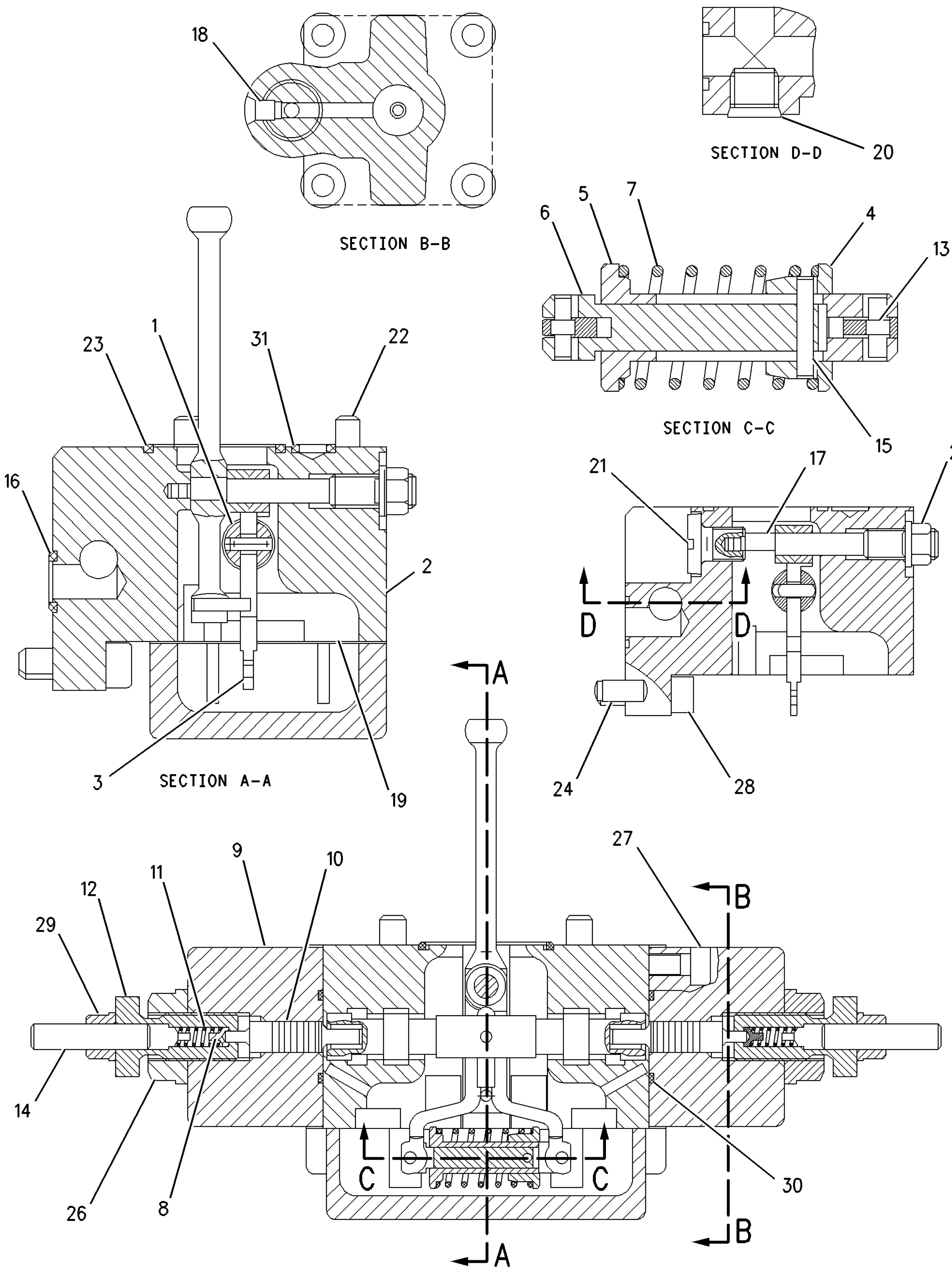
PART OF 139-4151 PUMP GP-PISTON

SMCS-3203, 3205 i01320692

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **183-8385** | 1 | PISTON AS | |
| | 2 | 1 | **183-8386** | 1 | HOUSING | |
| | 3 | 1 | **183-8387** | 2 | LEVER | |
| | 4 | 1 | **183-8389** | 1 | RETAINER-SPRING | |
| | 5 | 1 | **183-8390** | 1 | RETAINER-SPRING | |
| | 6 | 1 | **183-8391** | 1 | ADJUSTER-SPRING | |
| | 7 | 1 | **183-8392** | 1 | SPRING | |
| | 8 | 1 | **183-8395** | 2 | RETAINER-SPRING | |
| | 9 | 1 | **183-8396** | 2 | HOUSING | |
| | 10 | 1 | **183-8397** | 2 | PISTON | |
| | 11 | 1 | **183-8398** | 2 | SPRING | |
| | 12 | 1 | **183-8399** | 2 | ADJUSTER | |
| | 13 | 1 | **183-8400** | 2 | BOLT | |
| | 14 | 1 | **183-8401** | 2 | SETSCREW | |
| | 15 | 1 | **183-8402** | 1 | PIN | |
| | 16 | 1 | **033-5879** | 5 | SEAL-O-RING (11.12MM ID) | |
| | 17 | 1 | **111-8892** | 1 | PIN | |
| | 18 | 1 | **123-9769** | 1 | PLUG | |
| | 19 | 1 | **144-6418** | 1 | GASKET | |
| | 20 | 1 | **144-9101** | 1 | PLUG-BREAK OFF | |
| | 21 | 1 | **178-4144** | 1 | PLUG | |
| | 22 | 1 | **178-4147** | 4 | HEAD | |
| | 23 | 1 | **2Y-2347** | 1 | SEAL-O-RING | |
| | 24 | 1 | **5E-7045** | 1 | PIN-CYLINDER | |
| | 25 | 1 | **6E-1607** | 1 | LOCKNUT-SEALING | |
| M | 26 | 1 | **6E-4385** | 2 | LOCKNUT-SEAL (M12 THD) | |
| M | 27 | 1 | **8C-8580** | 8 | BOLT-SOCKET HEAD (M5X.8X16MM) | |
| M | 28 | 1 | **8T-0269** | 2 | BOLT-SOCKET HEAD (M6X1X20MM) | |
| | 29 | 1 | **9T-3853** | 2 | LOCKNUT (M6 THD) | |
| | 30 | 1 | **9X-7454** | 2 | SEAL-O-RING (18.77MM ID) | |
| | 31 | 1 | **9X-7676** | 1 | SEAL-O-RING (6.02MM ID) | |

M-METRIC PART

*183-8388* **VALVE GP-SERVO** ***(contd.)*** **i01320692**




GRAPHIC #1

g00664410

# *183-8417* VALVE GP-SERVO

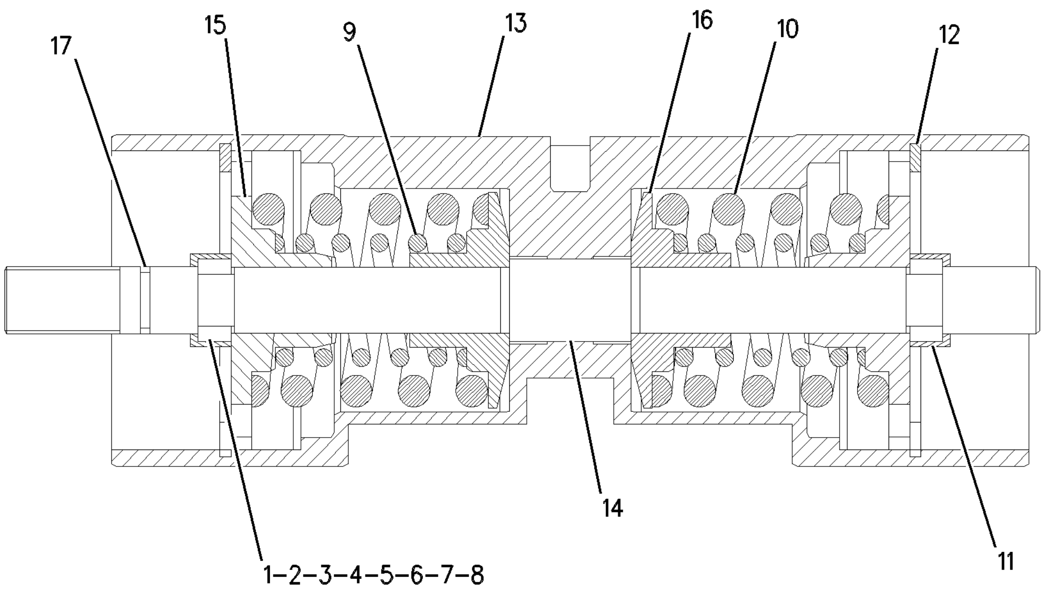
**S/N: AKA1-UP**

**PART OF 183-8430 ACTUATOR GP-PISTON PUMP**

**SMCS-3203, 3205** **i01320717**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| B | 1 | 1 | **183-8418** | 2 | SPACER (8.00 MM) | |
| BR | 2 | 1 | **183-8419** | 1 | SPACER (7.85 MM) | |
| B | 3 | 1 | **183-8420** | 1 | SPACER (7.90 MM) | |
| B | 4 | 1 | **183-8421** | 1 | SPACER (7.95 MM) | |
| B | 5 | 1 | **183-8423** | 1 | SPACER (8.05 MM) | |
| B | 6 | 1 | **183-8424** | 1 | SPACER (8.10 MM) | |
| B | 7 | 1 | **183-8425** | 11 | SPACER (7.75 MM) | |
| B | 8 | 1 | **183-8426** | 1 | SPACER (7.80 MM) | |
| | 9 | 1 | **183-8427** | 2 | SPRING | |
| | 10 | 1 | **183-8428** | 2 | SPRING | |
| | 11 | 1 | **183-8429** | 2 | RING | |
| | 12 | 1 | **095-0942** | 2 | RING-RETAINING (63.3MM ID) | |
| | 13 | 1 | **144-9093** | 1 | PISTON-STROKING | |
| | 14 | 1 | **144-9094** | 1 | ROD | |
| | 15 | 1 | **144-9097** | 2 | RETAINER | |
| | 16 | 1 | **144-9098** | 2 | RETAINER | |
| | 17 | 1 | **161-6149** | 1 | SEAL-O-RING | |

B-USE AS REQUIRED
R-REMFG PART MAY BE AVAILABLE




GRAPHIC #1 g00664661

# *136-1679* VALVE GP-SOLENOID

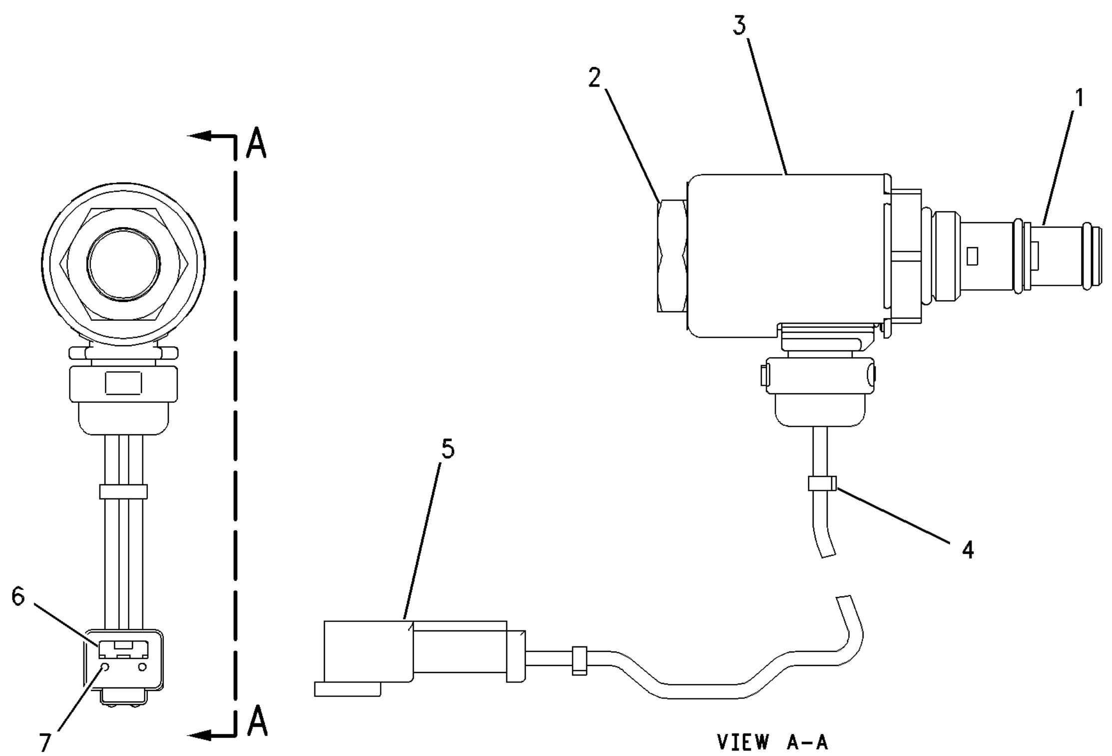
**S/N: AKA1-UP**

**24 VOLTS DC**

**PART OF 161-9667 VALVE GP-PRIORITY**

**SMCS-4282, 5479** **i01486838**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **100-4915** | 1 | CARTRIDGE AS | |
| | 2 | 1 | **104-3947** | 1 | LOCKNUT (5/8-11 THD) | |
| | 3 | 1 | **176-6496** | 1 | COIL AS | |
| | 4 | 1 | **1S-9593** | 2 | STRAP-CABLE | |
| | 5 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS AND WEDGE) | |
| | 6 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | 7 | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **7T-4515** | 1 | KIT-SEAL | |
| | | | | | (INCLUDES 3 SEALS) | |




GRAPHIC #1 g00661740

## *172-2392* VALVE GP-SOLENOID

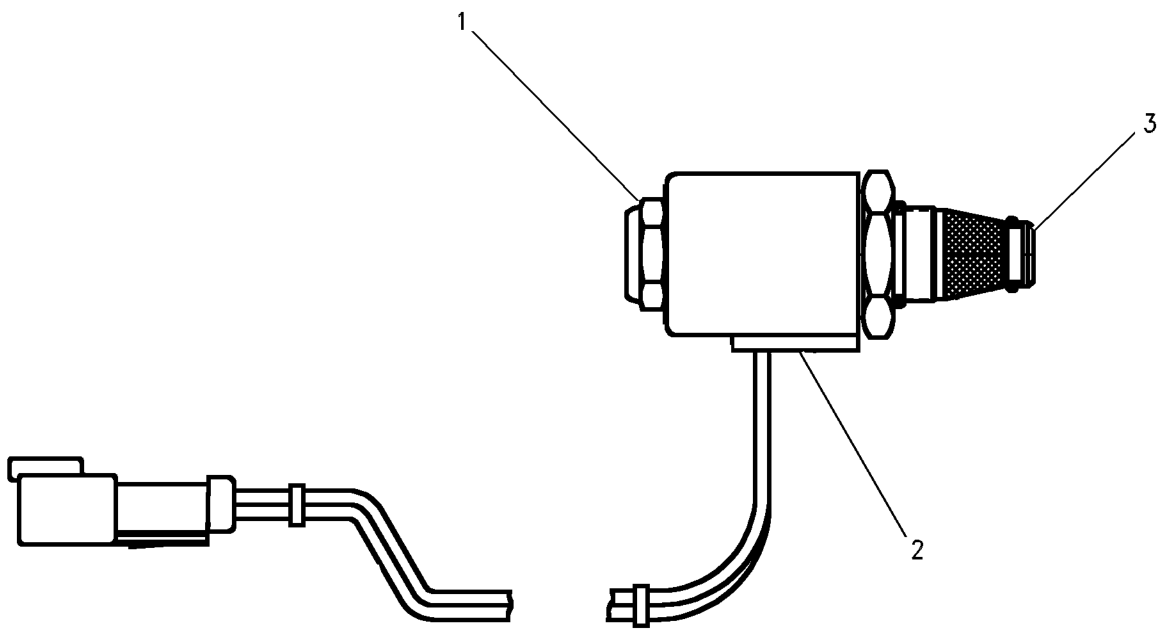
**S/N: AKA1-UP**

**24 VOLT**

**PART OF 175-4972 MANIFOLD & VALVE GP**

**SMCS-4282, 5479** i01431415

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **156-5970** | 1 | NUT (1/2-20-2B THD) | |
| | 2 | 1 | **133-2249** | 1 | COIL AS | |
| | | 1 | **1S-9593** | 2 | STRAP-CABLE | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | | 1 | **8T-8737** | 2 | PLUG-SEAL (3.07MM ID) | |
| | | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 3 | 1 | **172-2391** | 1 | SPOOL AS | |
| | | 1 | **156-5970** | 1 | NUT (1/2-20-2B THD) | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **189-1839** | 1 | KIT-SEAL | |
| | | | | | (INCLUDES SEALS & RING-BACK UP) | |




GRAPHIC #1 g00653409

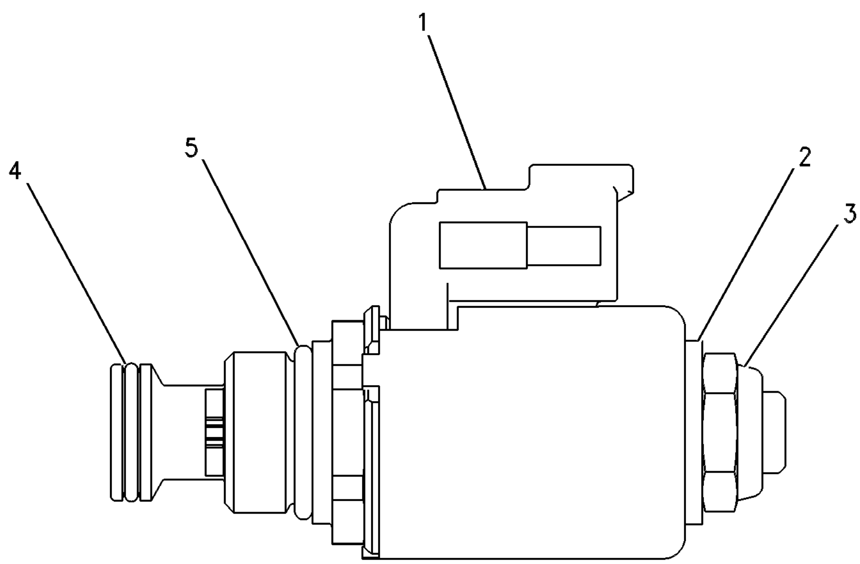
## *174-4909* VALVE GP-SOLENOID

**S/N: AKA1-UP**

**PART OF 162-5357 MANIFOLD & VALVE GP**

**SMCS-4282, 5479** **i01431369**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **145-1144** | 1 | COIL AS | |
| | 2 | 1 | **164-2108** | 1 | WASHER (2.38MM THK) | |
| | 3 | 1 | **167-9524** | 1 | NUT-SELF LOCKING (1/2-28 THD) | |
| | 4 | 1 | **8L-2746** | 1 | SEAL-O-RING (15.6MM ID) | |
| | 5 | 1 | **6V-4589** | 1 | SEAL-O-RING (19.18MM ID) | |




GRAPHIC #1 g00638363

## *102-6331* ACTUATOR GP-POWER

**S/N: AKA1-UP**

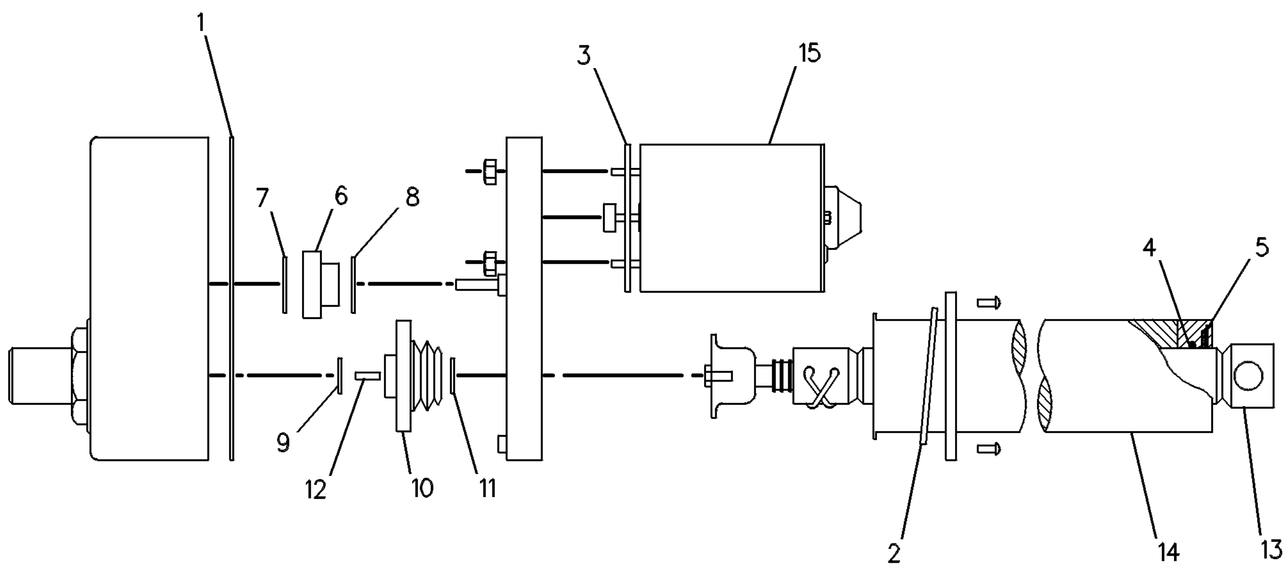
**PART OF 143-7767 GUARD AR-BOTTOM**

**SMCS-7153** **i01255631**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| JZ | 1 | 1 | | 1 | GASKET-HOUSING | |
| JZ | 2 | 1 | | 1 | GASKET (TUBE COVER) | |
| JZ | 3 | 1 | | 1 | SEAL-MOTOR | |
| JZ | 4 | 1 | | 1 | SEAL-O-RING (169.3MM ID) | |
| JZ | 5 | 1 | | 1 | SEAL-LIP TYPE | |
| LZ | 6 | 1 | | 1 | GEAR-INTERMEDIATE | |
| LZ | 7 | 1 | | 1 | WASHER | |
| LZ | 8 | 1 | | 1 | WASHER | |
| NZ | 9 | 1 | | 1 | WASHER | |
| NZ | 10 | 1 | | 1 | CLUTCH | |
| NZ | 11 | 1 | | 1 | WASHER | |
| NZ | 12 | 1 | | 1 | KEY | |
| PZ | 13 | 1 | | 1 | SHAFT | |
| PZ | 14 | 1 | | 1 | COVER (TUBE) | |
| | 15 | 1 | **115-0001** | 1 | MOTOR | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **114-3929** | 1 | KIT-SEAL | |
| L | | | **114-9981** | 1 | GEAR SET | |
| N | | | **114-9990** | 1 | KIT-CLUTCH | |
| P | | | **114-9998** | 1 | KIT-SHAFT | |
| | | | | | (INCL WASHERS & KEY) | |

J-KIT MARKED J INCLUDES PARTS MARKED J
L-KIT MARKED L INCLUDES PARTS MARKED L
N-KIT MARKED N INCLUDES PARTS MARKED N
P-KIT MARKED P INCLUDES PARTS MARKED P
Z-NOT SERVICED SEPARATELY

*102-6331* **ACTUATOR GP-POWER** ***(contd.)*** **i01255631**




GRAPHIC #1 g00239790

# *160-4920* BATTERY BOX GP

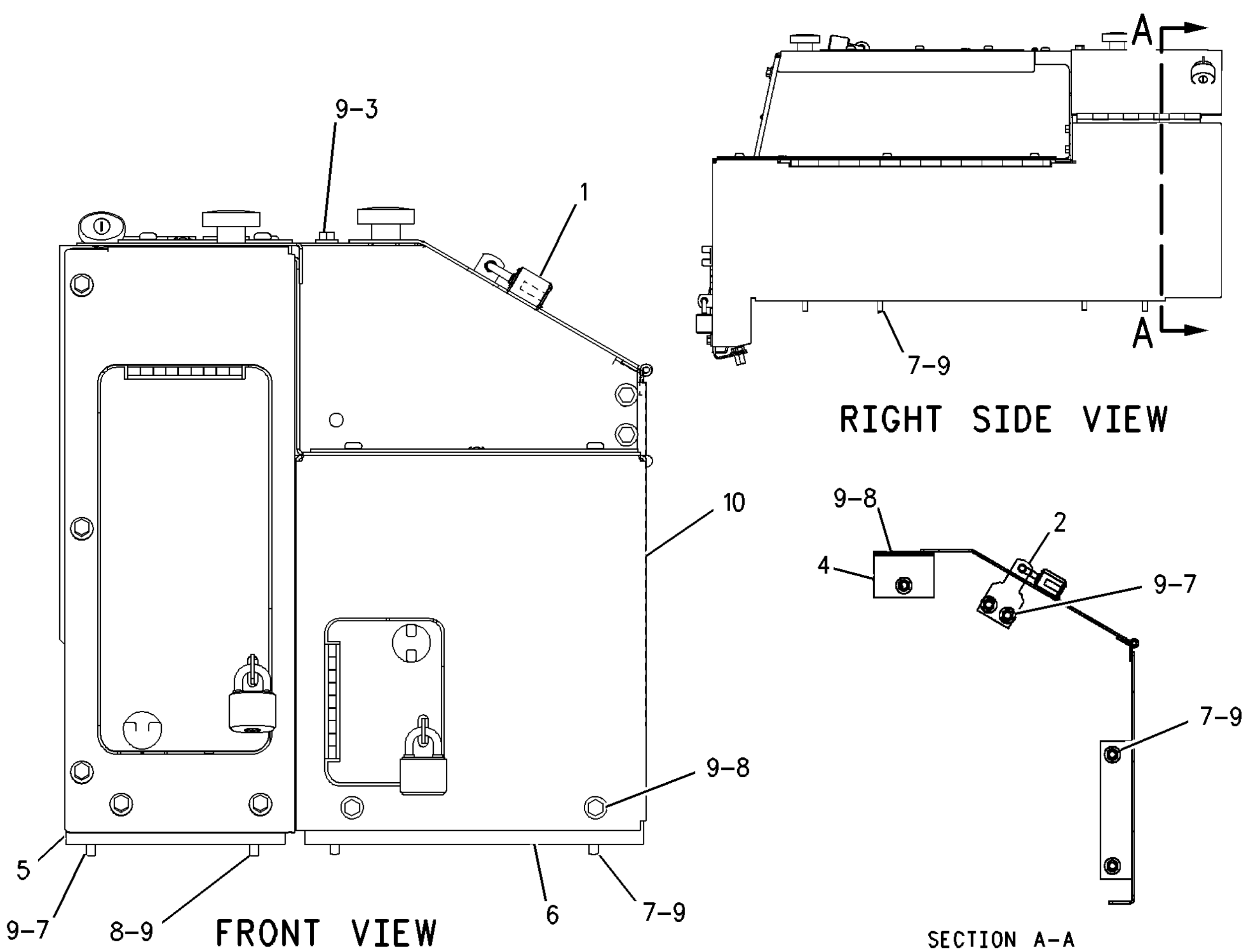
**S/N: AKA1-UP**

**PART OF 157-0819 CHASSIS AR**

**SMCS-7257** **i01486751**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5P-8502** | 4 | PADLOCK GP | |
| | | | | | (EACH INCLUDES) | |
| A | | 1 | **5P-8500** | 1 | KEY | |
| A | | 1 | **8Y-6364** | 1 | SLEEVE | |
| | 2 | 1 | **6Y-3974** | 1 | PLATE | |
| | 3 | 1 | **5S-7379** | 1 | BOLT (3/8-16X0.875 IN) | |
| | 4 | 1 | **164-9790** | 1 | PLATE | |
| | 5 | 1 | **165-3725** | 1 | PLATE AS | |
| | 6 | 1 | **177-6831** | 1 | PLATE AS | |
| | | | | | (EACH PLATE AS INCLUDES) | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **4L-6454** | 13 | BOLT (3/8-16X1 IN) | |
| | 8 | 1 | **5M-3062** | 5 | BOLT (3/8-16X0.75 IN) | |
| | 9 | 1 | **5P-1075** | 19 | WASHER-HARD (10.2X22.5X3MM THK) | |
| Y | 10 | 1 | **164-6225** | 1 | BATTERY BOX GP | 376 |

A-NOT PART OF THIS GROUP
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00758091

# MEMORANDA

# FRAME AND BODY

## *164-6225* BATTERY BOX GP

**S/N: AKA1-UP**

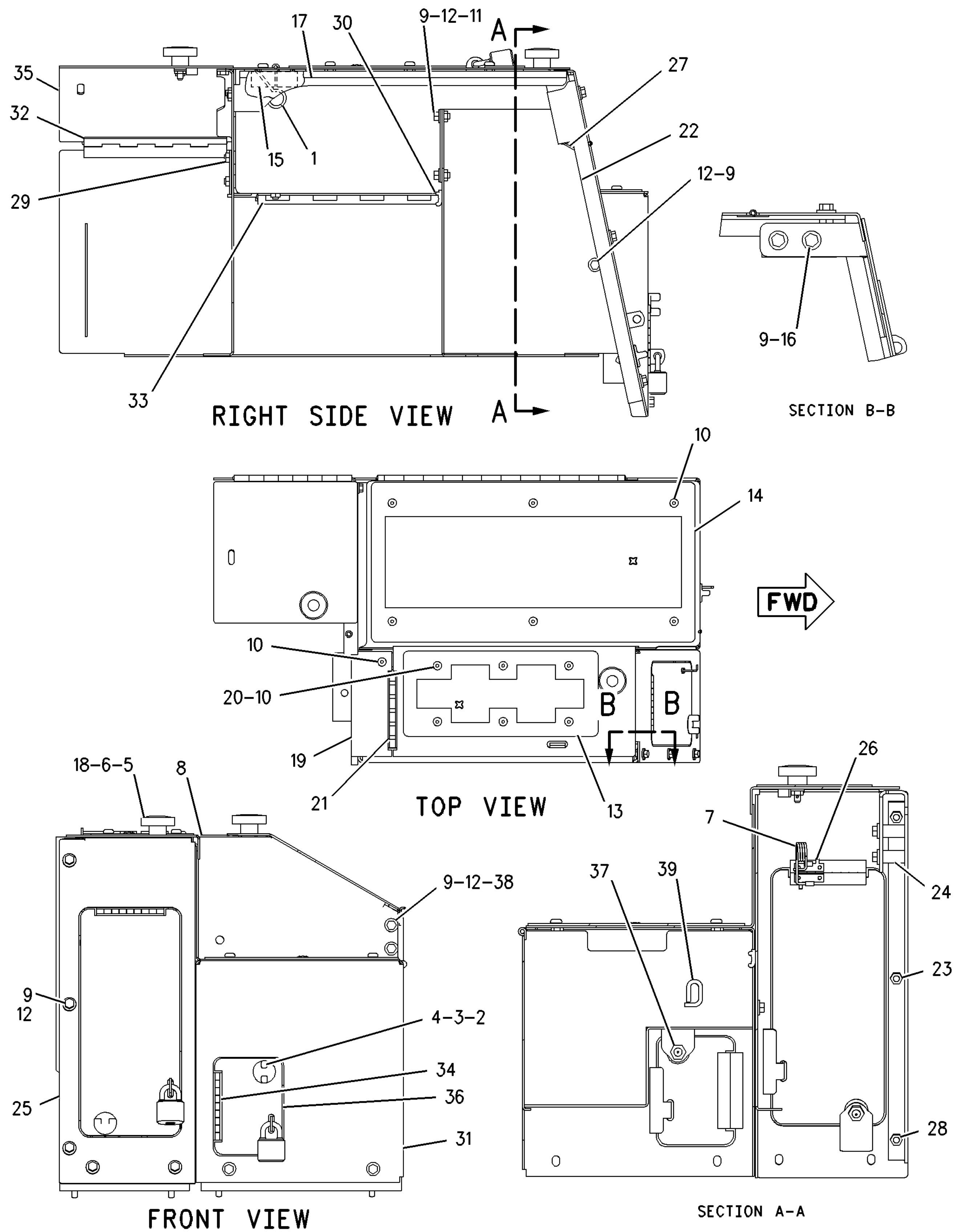
**PART OF 160-4920 BATTERY BOX GP**

**SMCS-7257** **i01488100**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1K-8850** | 1 | SPRING | |
| | 2 | 1 | **3B-4610** | 2 | COTTER | |
| | 3 | 1 | **6D-1746** | 2 | BOLT (1/2-13X1.32 IN) | |
| | 4 | 1 | **8B-4624** | 2 | SHIM (.032 IN THK) | |
| | 5 | 1 | **8E-7561** | 2 | KNOB AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **8T-7566** | 1 | PIN-SPRING | |
| | | 1 | **7S-2042** | 1 | STUD | |
| | 6 | 1 | **9S-8230** | 2 | PLATE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **053-6846** | 1 | SPRING | |
| | 8 | 1 | **160-2422** | 1 | SUPPORT AS | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 9 | 1 | **5P-1075** | 13 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 10 | 1 | **6V-1193** | 13 | SCREW-HEX SOCKET (3/8-16X.625 IN) | |
| | 11 | 1 | **178-0612** | 1 | COVER | |
| | 12 | 1 | **5M-3062** | 11 | BOLT (3/8-16X0.75 IN) | |
| | 13 | 1 | **185-8055** | 1 | PLATE | |
| | 14 | 1 | **185-8056** | 1 | PLATE | |
| | 15 | 1 | **190-4243** | 1 | SUPPORT AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 17 | 1 | **193-3944** | 1 | PLATE | |
| | 18 | 1 | **4H-1641** | 2 | PIN-SPRING | |
| | 19 | 1 | **191-1738** | 1 | COVER AS | |
| | 20 | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 21 | 1 | **190-5149** | 1 | HINGE | |
| | | 1 | **4K-8501** | 2 | CLIP | |
| | 22 | 1 | **185-5529** | 1 | PLATE AS | |
| | 23 | 1 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 24 | 1 | **4D-6293** | 2 | BOSS | |
| | 25 | 1 | **164-9287** | 1 | SHIELD AS | |
| | 26 | 1 | **053-6845** | 2 | BRACKET | |
| | 27 | 1 | **159-2045** | 1 | HINGE | |
| | 28 | 1 | **1F-0748** | 1 | NUT-WELD (1/2-13 THD) | |
| | 29 | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 30 | 1 | **7T-1099** | 4 | LINK | |
| | 31 | 1 | **160-2429** | 1 | COVER AS | |
| | 32 | 1 | **7G-4262** | 1 | HINGE | |
| | 33 | 1 | **9W-0648** | 1 | HINGE | |
| | 34 | 1 | **159-2045** | 1 | HINGE | |
| | 35 | 1 | **164-9805** | 1 | PLATE | |
| | 36 | 1 | **178-7298** | 1 | DOOR | |
| | 37 | 1 | **1F-0748** | 1 | NUT-WELD (1/2-13 THD) | |
| | 38 | 1 | **1F-0750** | 9 | NUT-WELD (3/8-16 THD) | |
| | 39 | 1 | **7T-1099** | 1 | LINK | |

## *164-6225* **BATTERY BOX GP** *(contd.)*

**i01488100**




GRAPHIC #1

g00760611

## *147-1160* CASE & FRAME GP

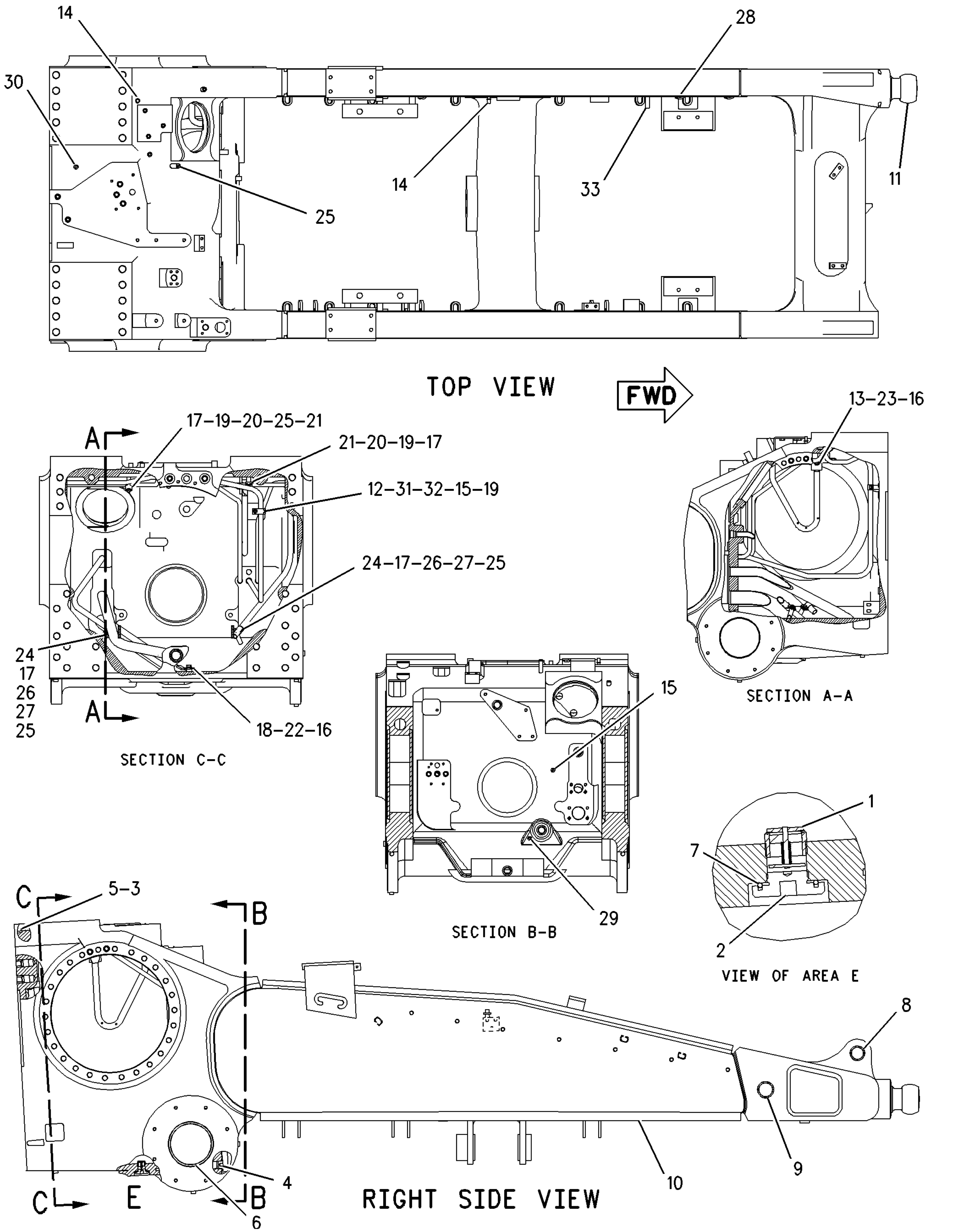
S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

SMCS-7051 i01436154

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **106-8186** | 1 | VALVE-DRAIN | |
| | 2 | 1 | **106-8187** | 1 | PLUG | |
| | 3 | 1 | **9S-4191** | 2 | PLUG | |
| | 4 | 1 | **164-4180** | 1 | PLUG AS | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING (29.74MM ID) | |
| | | 1 | **9S-4181** | 1 | PLUG-STRAIGHT THREAD | |
| | 5 | 1 | **3J-1907** | 2 | SEAL-O-RING (11.89MM ID) | |
| | 6 | 1 | **3T-4238** | 2 | BEARING-SLEEVE | |
| | 7 | 1 | **6F-0711** | 1 | SEAL-O-RING (40.87MM ID) | |
| | 8 | 1 | **7T-5010** | 2 | BEARING-SLEEVE | |
| | 9 | 1 | **9P-1780** | 2 | BEARING-SLEEVE | |
| | 10 | 1 | **159-5860** | 1 | CASE & FRAME AS | |
| | 11 | 1 | **110-3292** | 1 | TRUNNION | |
| | 12 | 1 | **0S-1588** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 13 | 1 | **1K-6872** | 1 | LOCKNUT (1/2-13 THD) | |
| | 14 | 1 | **9K-3050** | 2 | STUD-WELD | |
| | 15 | 1 | **4D-7529** | 2 | BOSS (3/8-16 THD) | |
| | 16 | 1 | **8T-4223** | 3 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 17 | 1 | **5D-0353** | 4 | BOLT-LOCKING (3/8-16X1 IN) | |
| | 18 | 1 | **5H-9394** | 1 | BOSS | |
| | 19 | 1 | **5P-1075** | 3 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 20 | 1 | **5R-0939** | 2 | CLIP (TAB) | |
| | 21 | 1 | **5R-0940** | 2 | CLIP (SLOT) | |
| | 22 | 1 | **6K-7917** | 1 | BOLT-LOCKING (1/2-13X1 IN) | |
| | 23 | 1 | **7B-3235** | 1 | BOLT (1/2-13X1.375 IN) | |
| | 24 | 1 | **8M-7145** | 2 | WASHER (10.2X28.5X5MM THK) | |
| | 25 | 1 | **8J-4916** | 4 | BOSS (3/8-16 THD) | |
| | 26 | 1 | **7S-3916** | 2 | CLIP (TAB) | |
| | 27 | 1 | **7S-3919** | 2 | CLIP (SLOT) | |
| | 28 | 1 | **7T-1099** | 3 | LINK | |
| | 29 | 1 | **8D-3508** | 1 | BOSS | |
| | 30 | 1 | **8F-9836** | 3 | LUG (3/8-16 THD) | |
| | 31 | 1 | **7S-3912** | 1 | CLIP (TAB) | |
| | 32 | 1 | **7S-3913** | 1 | CLIP (SLOT) | |
| | 33 | 1 | **8J-1196** | 1 | LUG (3/8-16 THD) | |

*147-1160* **CASE & FRAME GP** ***(contd.)*** **i01436154**




GRAPHIC #1 g00658569

## *187-0428* CASE & FRAME GP

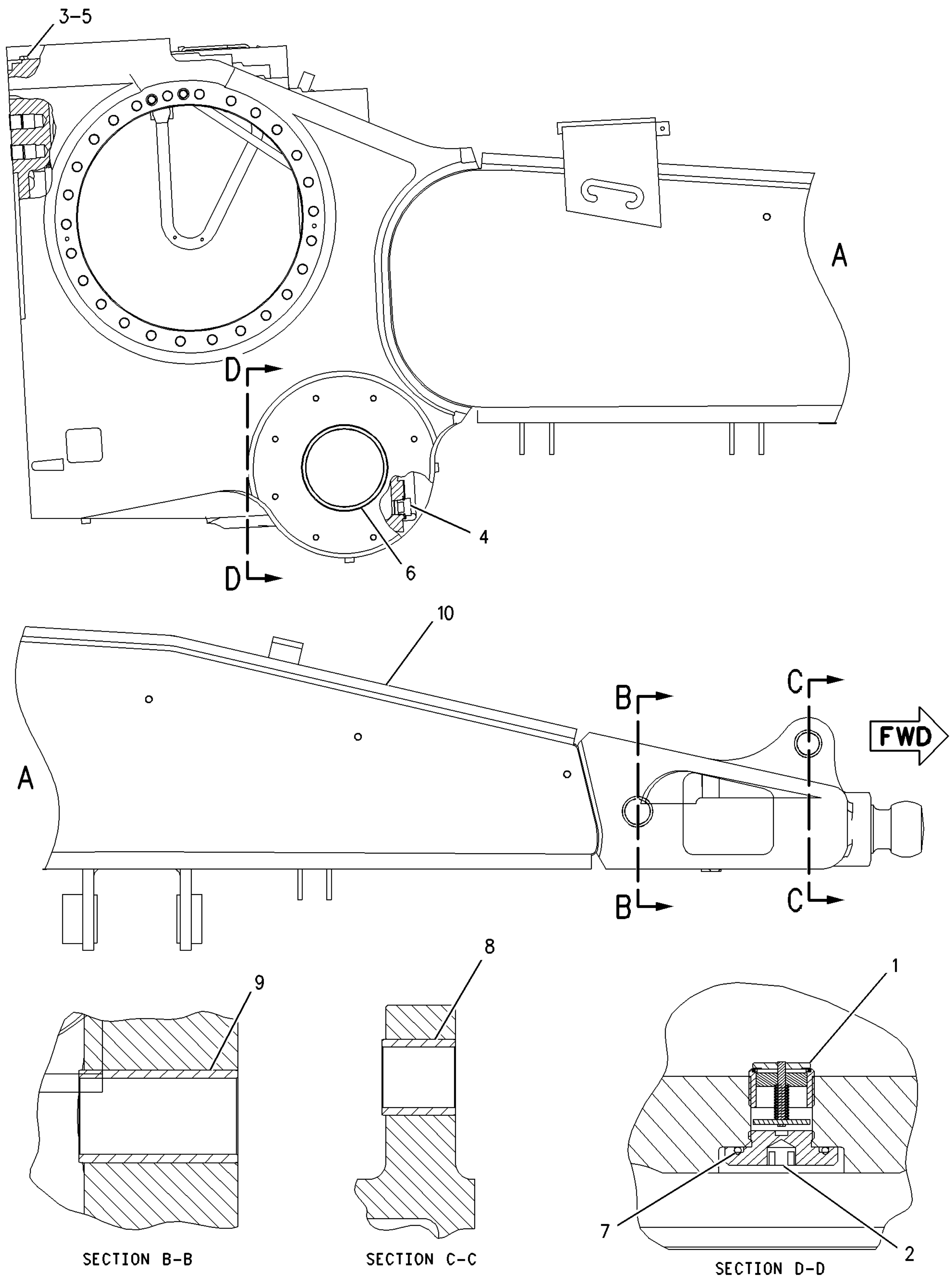
S/N: AKA1-UP

PART OF 143-7767 GUARD AR-BOTTOM

SMCS-7051 i01488582

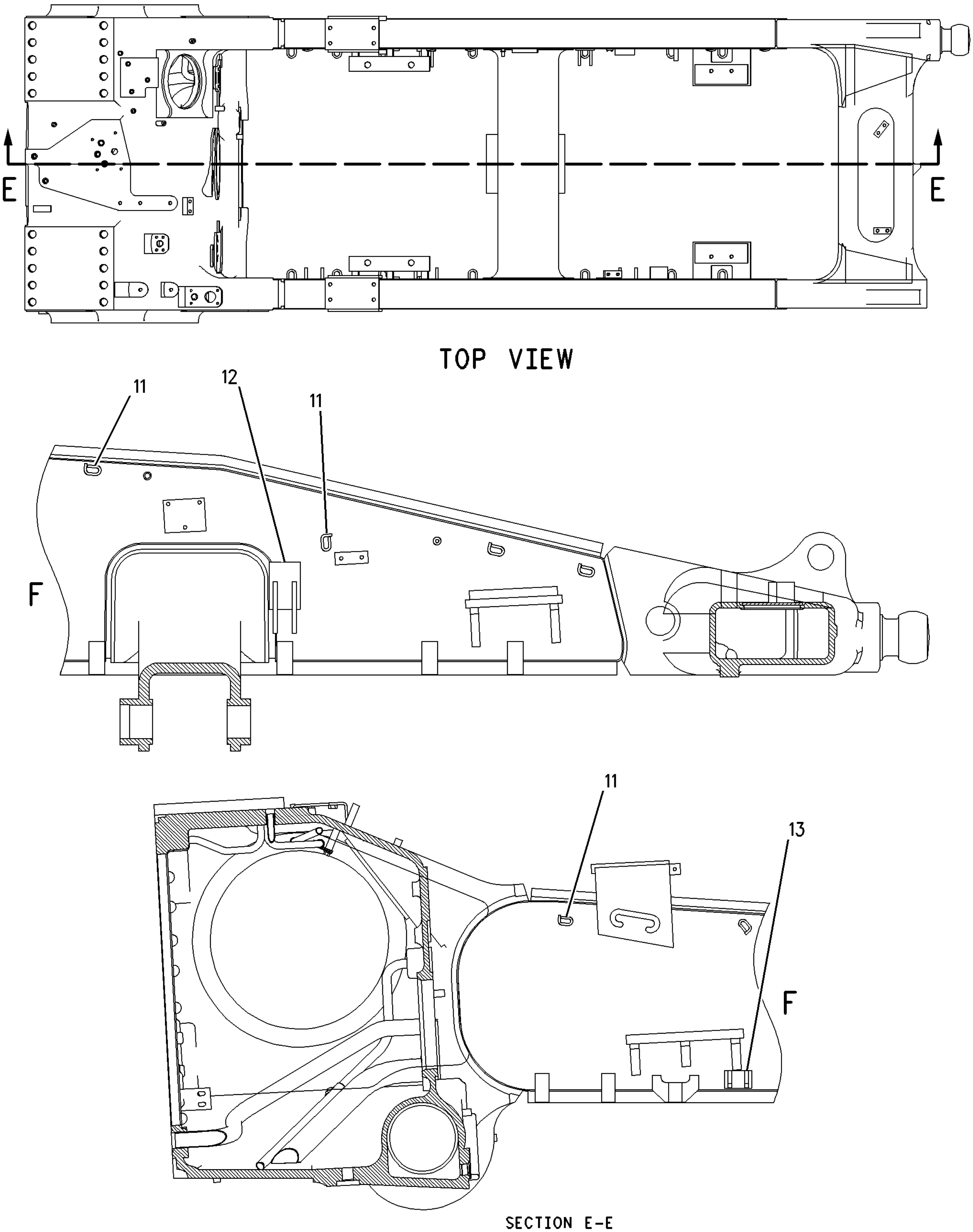
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **106-8186** | 1 | VALVE-DRAIN | |
| | 2 | 1 | **106-8187** | 1 | PLUG | |
| | 3 | 1 | **9S-4191** | 2 | PLUG-STRAIGHT THREAD | |
| | 4 | 1 | **9S-4181** | 1 | PLUG-STRAIGHT THREAD | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 5 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 6 | 1 | **3T-4238** | 2 | BEARING-SLEEVE | |
| | 7 | 1 | **6F-0711** | 1 | SEAL-O-RING | |
| | 8 | 1 | **7T-5010** | 2 | BEARING-SLEEVE | |
| | 9 | 1 | **9P-1780** | 2 | BEARING-SLEEVE | |
| | 10 | 1 | **186-6439** | 1 | CASE & FRAME AS | |
| | 11 | 2 | **7T-1099** | 6 | LINK | |
| | 12 | 2 | **112-1345** | 1 | PLATE AS | |
| | 13 | 2 | **112-1494** | 1 | PLATE AS | |
| | | | | | (EACH PLATE AS INCLUDES) | |
| | | 2 | **7T-1099** | 1 | LINK | |
| | 14 | 3 | **7G-3945** | 1 | PLATE | |
| | 15 | 3 | **8V-9885** | 2 | BLOCK | |
| | 16 | 3 | **9W-3158** | 1 | BRACKET AS | |
| | 17 | 3 | **162-8629** | 1 | BRACKET AS | |
| | | 3 | **1F-0748** | 3 | NUT-WELD (1/2-13 THD) | |
| | 18 | 4 | **0S-1588** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 19 | 4 | **1K-6872** | 1 | LOCKNUT (1/2-13 THD) | |
| | 20 | 4 | **4D-7529** | 2 | BOSS (3/8-16 THD) | |
| | 21 | 4 | **5D-0353** | 4 | BOLT-LOCKING (3/8-16X1 IN) | |
| | 22 | 4 | **5H-9394** | 1 | BOSS | |
| | 23 | 4 | **5P-1075** | 3 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 24 | 4 | **5R-0939** | 2 | CLIP (TAB) | |
| | 25 | 4 | **5R-0940** | 2 | CLIP (SLOT) | |
| | 26 | 4 | **6K-7917** | 1 | BOLT-LOCKING (1/2-13X1 IN) | |
| | 27 | 4 | **7B-3235** | 1 | BOLT (1/2-13X1.375 IN) | |
| | 28 | 3 | **7G-8947** | 1 | PLATE | |
| | 29 | 4 | **7S-3912** | 1 | CLIP (TAB) | |
| | 30 | 4 | **7S-3913** | 1 | CLIP (SLOT) | |
| | 31 | 4 | **7S-3916** | 2 | CLIP (TAB) | |
| | 32 | 4 | **7S-3919** | 2 | CLIP (SLOT) | |
| | 34 | 3 | **8F-9836** | 3 | LUG (3/8-16 THD) | |
| | 35 | 3 | **8J-1196** | 1 | LUG (3/8-16 THD) | |
| | 36 | 3,4 | **8J-4916** | 5 | BOSS (3/8-16 THD) | |
| | 37 | 4 | **8M-7145** | 2 | WASHER (10.2X28.5X5MM THK) | |
| | 38 | 4 | **8T-4223** | 3 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 39 | 3 | **9K-3050** | 2 | STUD-WELD | |
| | 40 | 4 | **9X-2029** | 2 | STUD-WELD | |
| | 41 | 3 | **110-3292** | 1 | TRUNNION | |

*187-0428* **CASE & FRAME GP** ***(contd.)*** **i01488582**




GRAPHIC #1 g00742253

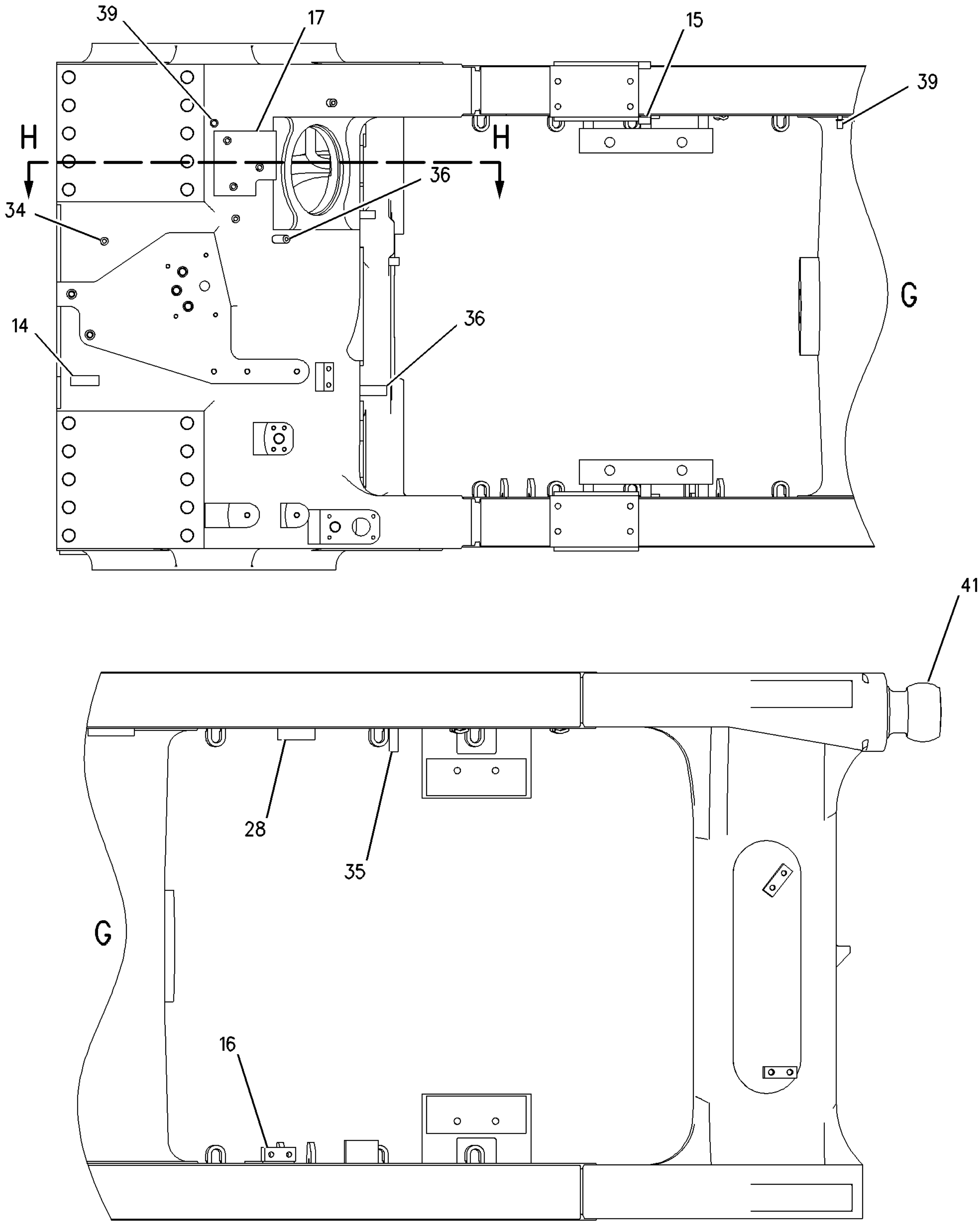
*187-0428* **CASE & FRAME GP** ***(contd.)*** **i01488582**




GRAPHIC #2

g00744064

*187-0428* **CASE & FRAME GP** ***(contd.)*** **i01488582**

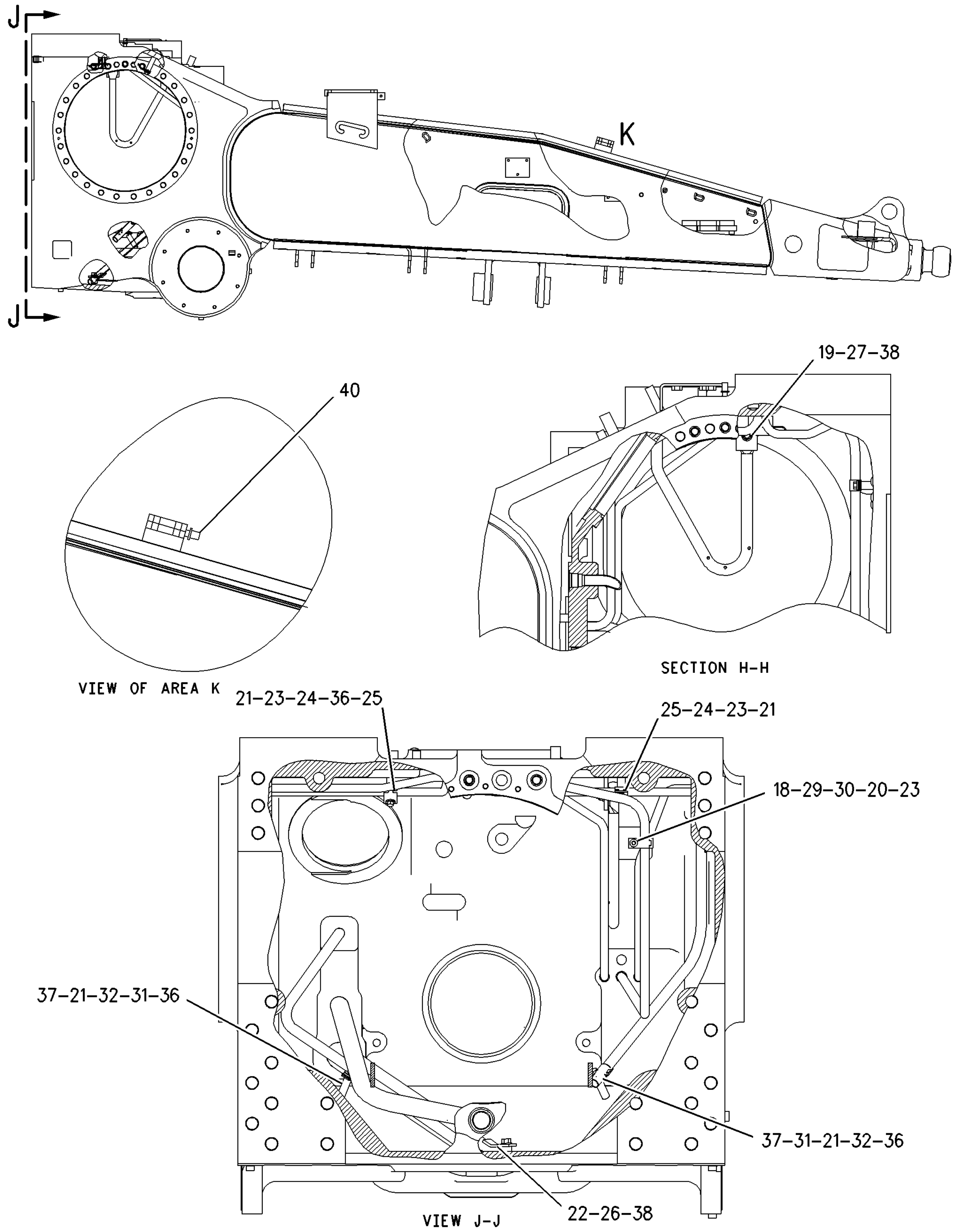



REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #3

g00744136

*187-0428* **CASE & FRAME GP** *(contd.)* **i01488582**




GRAPHIC #4

g00744151

# MEMORANDA

# FRAME AND BODY

## *198-9754* CASE & FRAME GP

**S/N: AKA1-UP**

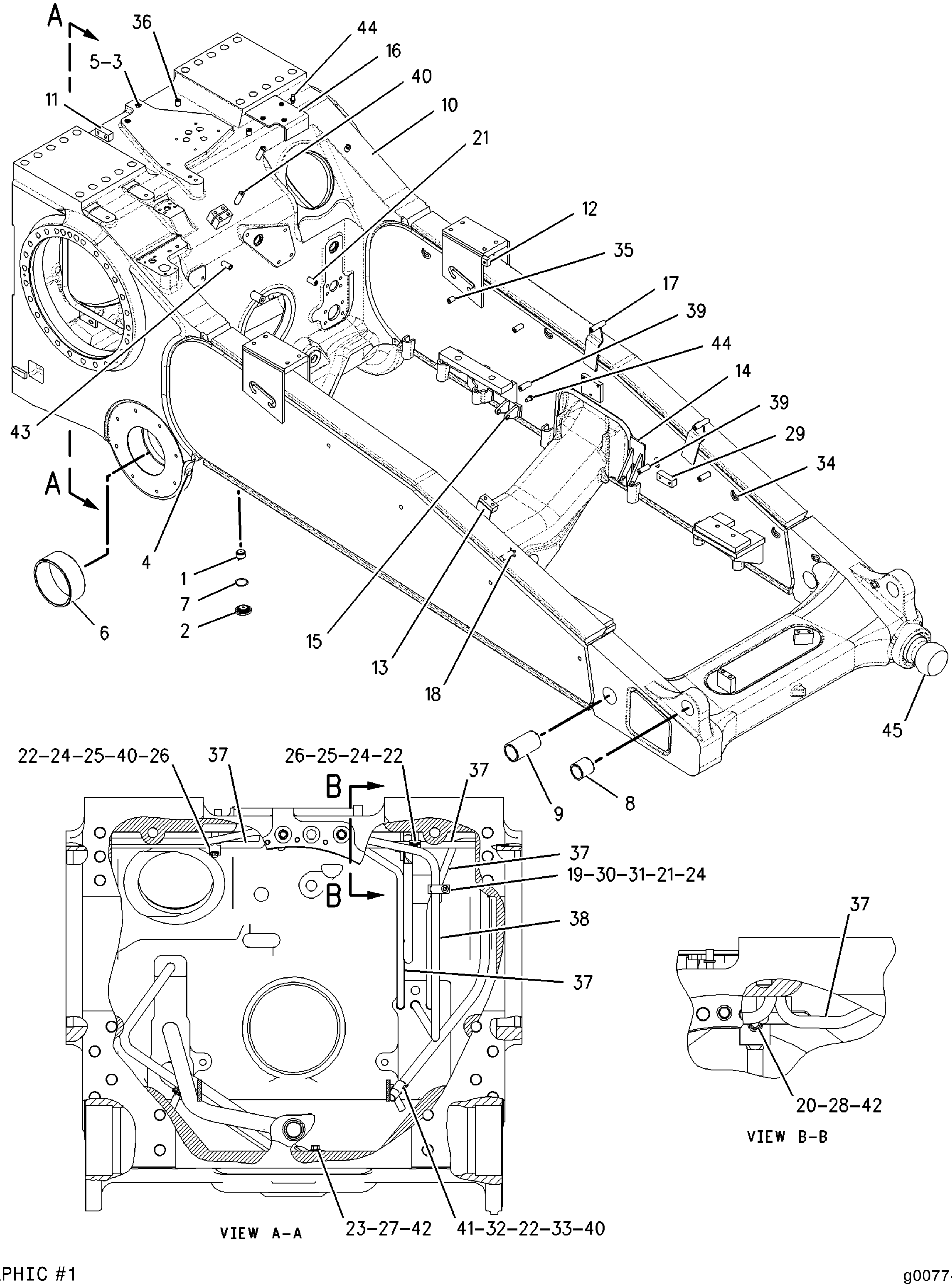
**PART OF 199-0818 DISPOSAL AR-WASTE**

**SMCS-7051** **i01489164**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **106-8186** | 1 | VALVE-DRAIN | |
| | 2 | 1 | **106-8187** | 1 | PLUG | |
| | 3 | 1 | **9S-4191** | 2 | PLUG-STRAIGHT THREAD | |
| | 4 | 1 | *164-4180* | 1 | PLUG GP | |
| | | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | | 1 | **9S-4181** | 1 | PLUG-STRAIGHT THREAD | |
| | 5 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 6 | 1 | **3T-4238** | 2 | BEARING-SLEEVE | |
| | 7 | 1 | **6F-0711** | 1 | SEAL-O-RING | |
| | 8 | 1 | **7T-5010** | 2 | BEARING-SLEEVE | |
| | 9 | 1 | **9P-1780** | 2 | BEARING-SLEEVE | |
| | 10 | 1 | **198-9753** | 1 | CASE & FRAME AS | |
| | 11 | 1 | **7G-3945** | 1 | PLATE | |
| | 12 | 1 | **8V-9885** | 1 | BLOCK | |
| | 13 | 1 | **9W-3158** | 1 | BRACKET AS | |
| | 14 | 1 | **112-1345** | 1 | PLATE AS | |
| | | 1 | **7T-1099** | 1 | LINK | |
| | 15 | 1 | **112-1494** | 1 | PLATE AS | |
| | | 1 | **7T-1099** | 1 | LINK | |
| | 16 | 1 | **162-8629** | 1 | BRACKET AS | |
| | | 1 | **1F-0748** | 3 | NUT-WELD (1/2-13 THD) | |
| | 17 | 1 | **197-8620** | 2 | BRACKET AS | |
| | 18 | 1 | **197-9701** | 1 | BOSS AS | |
| | 19 | 1 | **0S-1588** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 20 | 1 | **1K-6872** | 1 | LOCKNUT (1/2-13 THD) | |
| | 21 | 1 | **4D-7529** | 2 | BOSS (3/8-16 THD) | |
| | 22 | 1 | **5D-0353** | 4 | BOLT-LOCKING (3/8-16X1 IN) | |
| | 23 | 1 | **5H-9394** | 1 | BOSS | |
| | 24 | 1 | **5P-1075** | 3 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 25 | 1 | **5R-0939** | 2 | CLIP (TAB) | |
| | 26 | 1 | **5R-0940** | 2 | CLIP (SLOT) | |
| | 27 | 1 | **6K-7917** | 1 | BOLT-LOCKING (1/2-13X1 IN) | |
| | 28 | 1 | **7B-3235** | 1 | BOLT (1/2-13X1.375 IN) | |
| | 29 | 1 | **7G-8947** | 1 | PLATE | |
| | 30 | 1 | **7S-3912** | 1 | CLIP (TAB) | |
| | 31 | 1 | **7S-3913** | 1 | CLIP (SLOT) | |
| | 32 | 1 | **7S-3916** | 1 | CLIP (TAB) | |
| | 33 | 1 | **7S-3919** | 1 | CLIP (SLOT) | |
| | 34 | 1 | **7T-1099** | 7 | LINK | |
| | 35 | 1 | **8D-3508** | 1 | BOSS | |
| | 36 | 1 | **8F-9836** | 3 | BOSS-THREADED (3/8-16X19MM THD) | |
| | 37 | 1 | **8G-4386** | 10 | SLEEVE | |
| | 38 | 1 | **8G-5247** | 2 | SLEEVE | |
| | 39 | 1 | **8J-1196** | 3 | LUG (3/8-16 THD) | |
| | 40 | 1 | **8J-4916** | 5 | BOSS (3/8-16 THD) | |
| | 41 | 1 | **8M-7145** | 2 | WASHER (10.2X28.5X5MM THK) | |
| | 42 | 1 | **8T-4223** | 3 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 43 | 1 | **9G-5926** | 1 | BOSS | |
| | 44 | 1 | **9K-3050** | 2 | STUD-WELD | |
| | 45 | 1 | **110-3292** | 1 | TRUNNION | |

# FRAME AND BODY

*198-9754* **CASE & FRAME GP** ***(contd.)*** **i01489164**




GRAPHIC #1 g00774669

# FRAME AND BODY

## *157-0819* CHASSIS AR

**S/N: AKA1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-7000** **i01429664**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *159-9263* | 1 | BATTERY & WIRING GP | 202 |
| Y | *160-4920* | 1 | BATTERY BOX GP | 374 |
| Y | *147-1160* | 1 | CASE & FRAME GP | 378 |
| Y | *160-4919* | 1 | ENCLOSURE GP-HYDRAULIC TANK | 414 |
| Y | *156-9662* | 1 | FENDER GP | 416 |
| Y | *159-3878* | 1 | GUARD GP-BOTTOM | 432 |
| Y | *105-9803* | 1 | GUARD GP-RADIATOR | 444 |
| Y | *157-0264* | 1 | HOOD & GUARD GP | 450 |
| Y | *156-1667* | 1 | INSTRUMENT GP | 770 |
| Y | *159-7590* | 1 | LIGHTING GP-4 LAMP | 244 |
| Y | *159-6018* | 1 | LINES GP-FUEL | 178 |
| Y | *159-6019* | 1 | LUBRICATION GP-PIVOT SHAFT | 490 |
| Y | *159-8022* | 1 | PLATE & FILM GP | 880 |
| Y | *156-4755* | 1 | PLATFORM GP-CAB | 814 |
| Y | *167-2088* | 1 | ROPS GP | 824 |
| Y | *160-6521* | 1 | SEAT GP | 830 |
| Y | *156-8347* | 1 | SUPPORT GP-ROPS | 843 |
| Y | *159-8106* | 1 | TANK GP-FUEL | 184 |
| Y | *159-9264* | 1 | WIRING GP-PLATFORM | 288 |
| | | | | |
| | **184-8026** | 1 | PLUG AS | |
| | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | | (INCLUDES PLUG AS & WEDGE) | |
| | **155-2259** | 1 | WEDGE-PLUG LOCK | |
| | **9X-3402** | 1 | SOCKET-CONNECTOR | |
| | | | (FOR 16-18 GA WIRE) | |
| | **126-1768** | 1 | SOCKET-CONNECTOR | |
| | | | (FOR 14 GA WIRE) | |
| | **8T-8737** | 5 | PLUG-SEAL (3.07MM ID) | |
| E | **125-7874** | | TUBE-SHRINKABLE (5CM) | |
| BD | **5P-5677** | | WIRE (18 GA) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

# MEMORANDA

## *112-8117* CONTROL AS-REMOTE

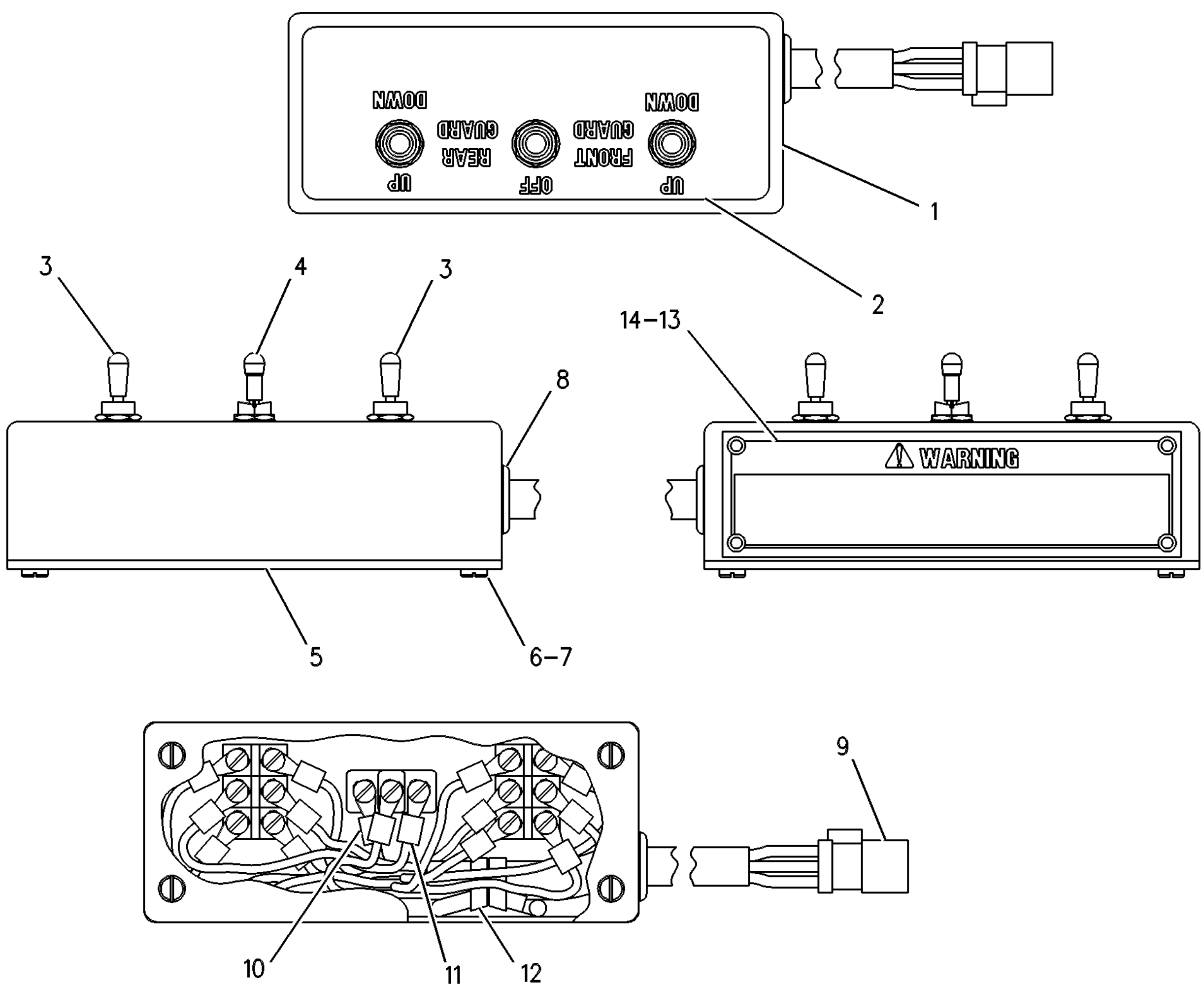
**S/N: AKA1-UP**

**PART OF 143-7767 GUARD AR-BOTTOM**

**SMCS-1408** **i01255635**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **112-8115** | 1 | BOX AS | |
| | | 1 | **7T-1099** | 1 | LINK | |
| | | 1 | **9D-6621** | 4 | NUT-WELD (10-24 THD) | |
| | 2 | 1 | **112-8118** | 1 | FILM | |
| | 3 | 1 | **7N-8008** | 2 | SWITCH GP-TOGGLE (2 POLE) (GUARD UP\DOWN) | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3L-8187** | 6 | LOCKWASHER (NO.6-INT) | |
| | | 1 | **6T-3631** | 2 | NUT-HEX (15/32-32 THD) | |
| | | 1 | **6T-3632** | 1 | LOCKWASHER (12MM ID) | |
| | | 1 | **6T-3633** | 1 | LOCKRING (12.3MM ID) | |
| | | 1 | **6V-8374** | 6 | SCREW-MACHINE (6-32X.25 IN) | |
| | 4 | 1 | **6T-6970** | 1 | SWITCH AS-TOGGLE (ON/OFF) | |
| | | 1 | **3L-8187** | 3 | LOCKWASHER (NO.6-INT) | |
| | | 1 | **6T-3631** | 2 | NUT-HEX (15/32-32 THD) | |
| | | 1 | **6T-3632** | 1 | LOCKWASHER (12MM ID) | |
| | | 1 | **6T-3633** | 1 | LOCKRING (12.3MM ID) | |
| | | 1 | **6V-8374** | 3 | SCREW-MACHINE (6-32X.25 IN) | |
| | 5 | 1 | **112-8116** | 1 | COVER | |
| | 6 | 1 | **2N-3479** | 4 | SCREW (10-24X.5IN) | |
| | 7 | 1 | **9F-8125** | 4 | LOCKWASHER (#10-EXT.) | |
| | 8 | 1 | **2S-9727** | 1 | GROMMET | |
| | 9 | 1 | **112-8111** | 1 | HARNESS AS | |
| | 10 | 1 | **112-8124** | 1 | WIRE AS | |
| | 11 | 1 | **112-9416** | 1 | WIRE AS | |
| | 12 | 1 | **7K-1181** | 2 | STRAP-CABLE (4IN DIA) | |
| | 13 | 1 | **113-5819** | 1 | PLATE-WARNING | |
| | 14 | 1 | **2K-3219** | 4 | SCREW-DRIVE | |

*112-8117* **CONTROL AS-REMOTE** ***(contd.)*** **i01255635**




GRAPHIC #1 g00276734

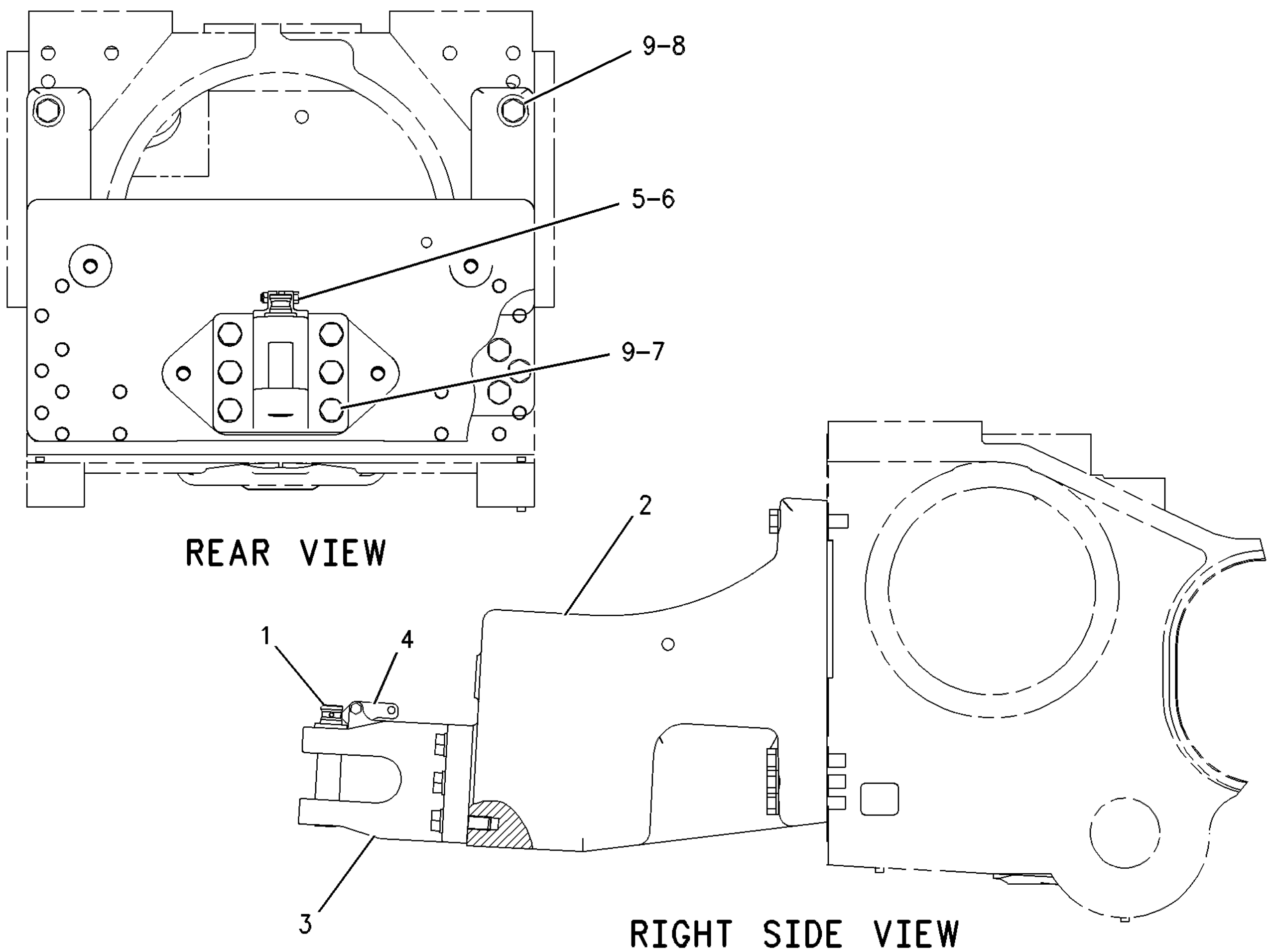
# FRAME AND BODY

## *159-8104* COUNTERWEIGHT GP

S/N: AKA1-UP

SMCS-7056 i01446952

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1H-4106** | 1 | PIN AS-DRAWBAR | |
| | 2 | 1 | **6Y-0610** | 1 | COUNTERWEIGHT | |
| | 3 | 1 | **7G-6623** | 1 | HITCH | |
| | 4 | 1 | **8E-9289** | 1 | LATCH | |
| | 5 | 1 | **3K-2889** | 1 | LOCKNUT | |
| | 6 | 1 | **7X-0349** | 1 | BOLT (5/8-11X3 IN) | |
| | 7 | 1 | **7X-0429** | 6 | BOLT (1 1/4-7X4.50 IN) | |
| | 8 | 1 | **7X-0432** | 8 | BOLT (1 1/4-7 X 6.5IN) | |
| | 9 | 1 | **7X-0533** | 14 | WASHER-HARD (34X55X6MM THK) | |




GRAPHIC #1 g00533310

# *192-3016* COVER GP

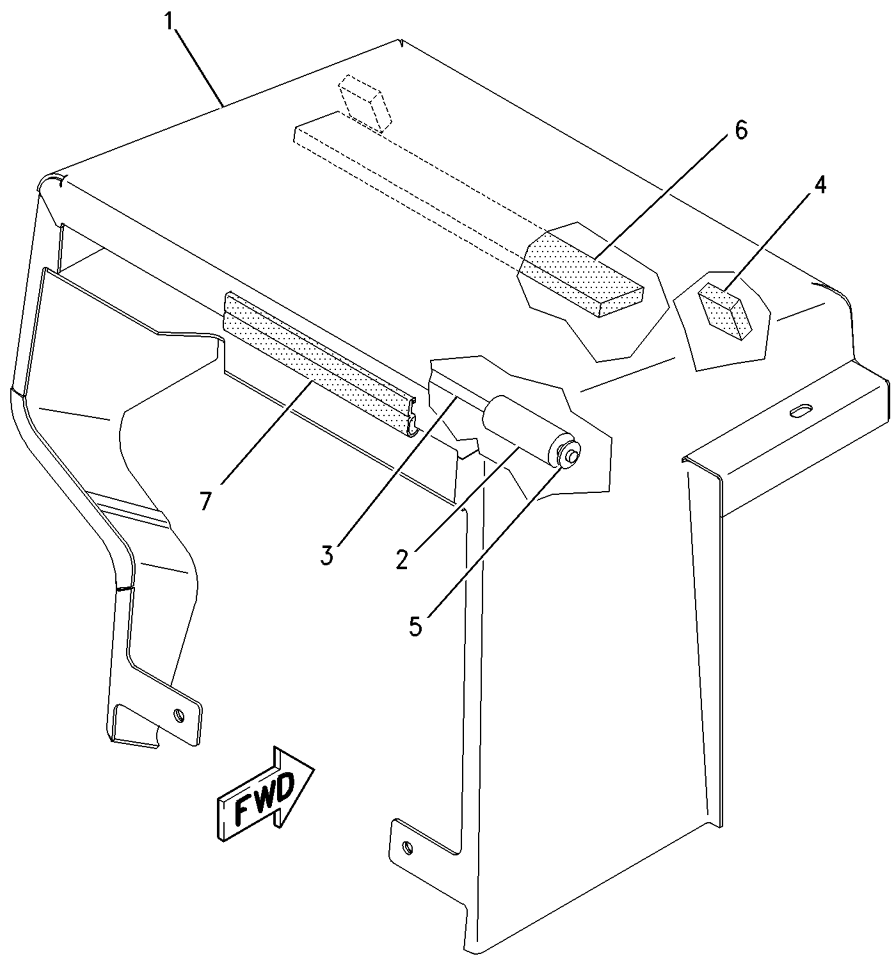
**S/N: AKA1-UP**

**PART OF 156-4755 PLATFORM GP-CAB**

**SMCS-7251** **i01486770**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **169-9639** | 1 | COVER AS | |
| | 2 | 1 | **192-3017** | 2 | ROLLER | |
| | 3 | 1 | **192-3018** | 1 | ROD | |
| | 4 | 1 | **193-7377** | 2 | PANEL | |
| | 5 | 1 | **5P-7177** | 2 | RETAINER | |
| BD | 6 | 1 | **6V-1359** | | SEAL | |
| BD | 7 | 1 | **6V-2803** | | SEAL | |

B-USE AS REQUIRED
D-ORDER BY THE METER




GRAPHIC #1

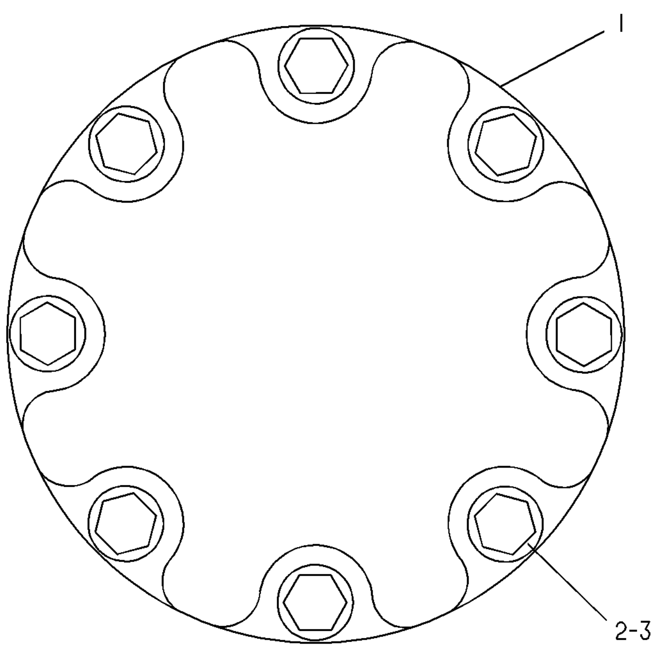
g00764398

## *6T-2202* COVER GP-TRUNNION

S/N: AKA1-UP

SMCS-7050, 7250 | i01488345

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9G-2787** | 2 | COVER | |
| | 2 | 1 | **8T-9393** | 16 | BOLT (5/8-11X1.5 IN) | |
| | 3 | 1 | **8T-4122** | 16 | WASHER-HARD (17X32X3.5MM THK) | |




GRAPHIC #1 g00207684

# MEMORANDA

# *165-2446* DOOR GP-LH

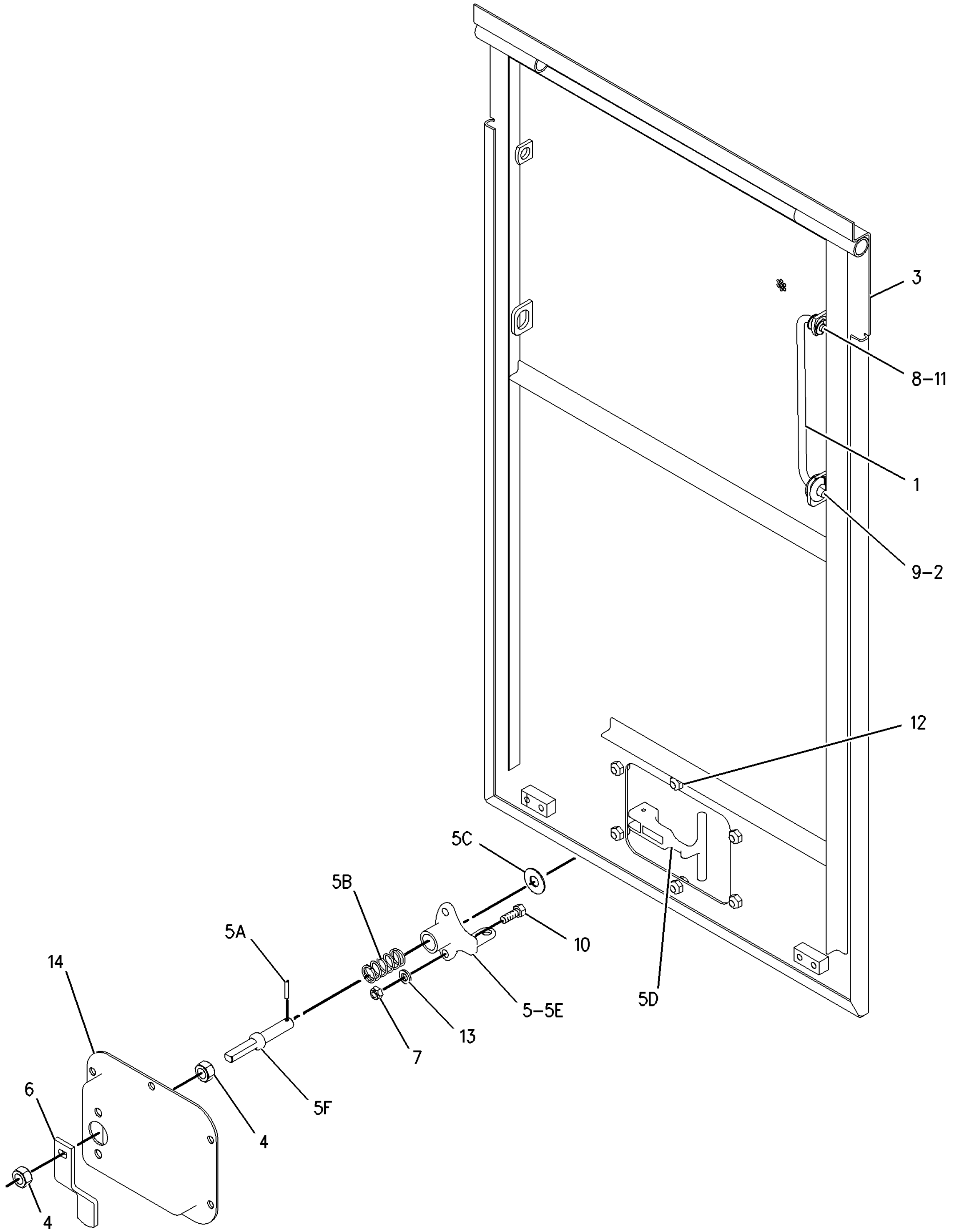
S/N: AKA1-UP

PART OF 160-2392 ENCLOSURE GP-ENGINE

SMCS-7263 i01393805

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3V-9399** | 1 | ROD AS | |
| | 2 | 1 | **4B-4278** | 1 | WASHER (10.2X20.5X1.6MM THK) | |
| | 3 | 1 | **7T-7208** | 1 | DOOR AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **8T-9496** | 2 | LOCKNUT | |
| | 5 | 1 | **8Y-4000** | 1 | LATCH AS (T-BAR/COMPARTMENT) | |
| | 5A | 1 | **6H-3956** | 1 | PIN | |
| | 5B | 1 | **7X-0766** | 1 | SPRING-LATCH | |
| | 5C | 1 | **8Y-3966** | 1 | WASHER (14.7X35X1.57MM THK) | |
| | 5D | 1 | **8Y-3998** | 1 | HANDLE-LATCH | |
| | 5E | 1 | **8Y-3999** | 1 | BRACKET-MOUNTING | |
| | 5F | 1 | **8Y-8306** | 1 | SHAFT-LATCH | |
| | 6 | 1 | **9W-8084** | 1 | PLATE | |
| | 7 | 1 | **2K-4973** | 2 | LOCKNUT (3/8-16 THD) | |
| | 8 | 1 | **3B-4605** | 1 | COTTER | |
| | 9 | 1 | **4H-2558** | 1 | GROMMET | |
| | 10 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 11 | 1 | **4M-7470** | 1 | GROMMET | |
| | 12 | 1 | **6V-1193** | 6 | SCREW-HEX SOCKET (3/8-16X.625 IN) | |
| | 13 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 14 | 1 | **9W-8940** | 1 | PLATE | |

*165-2446* **DOOR GP-LH** ***(contd.)*** **i01393805**




GRAPHIC #1 g00750205

# FRAME AND BODY

## *165-2451* DOOR GP-LH

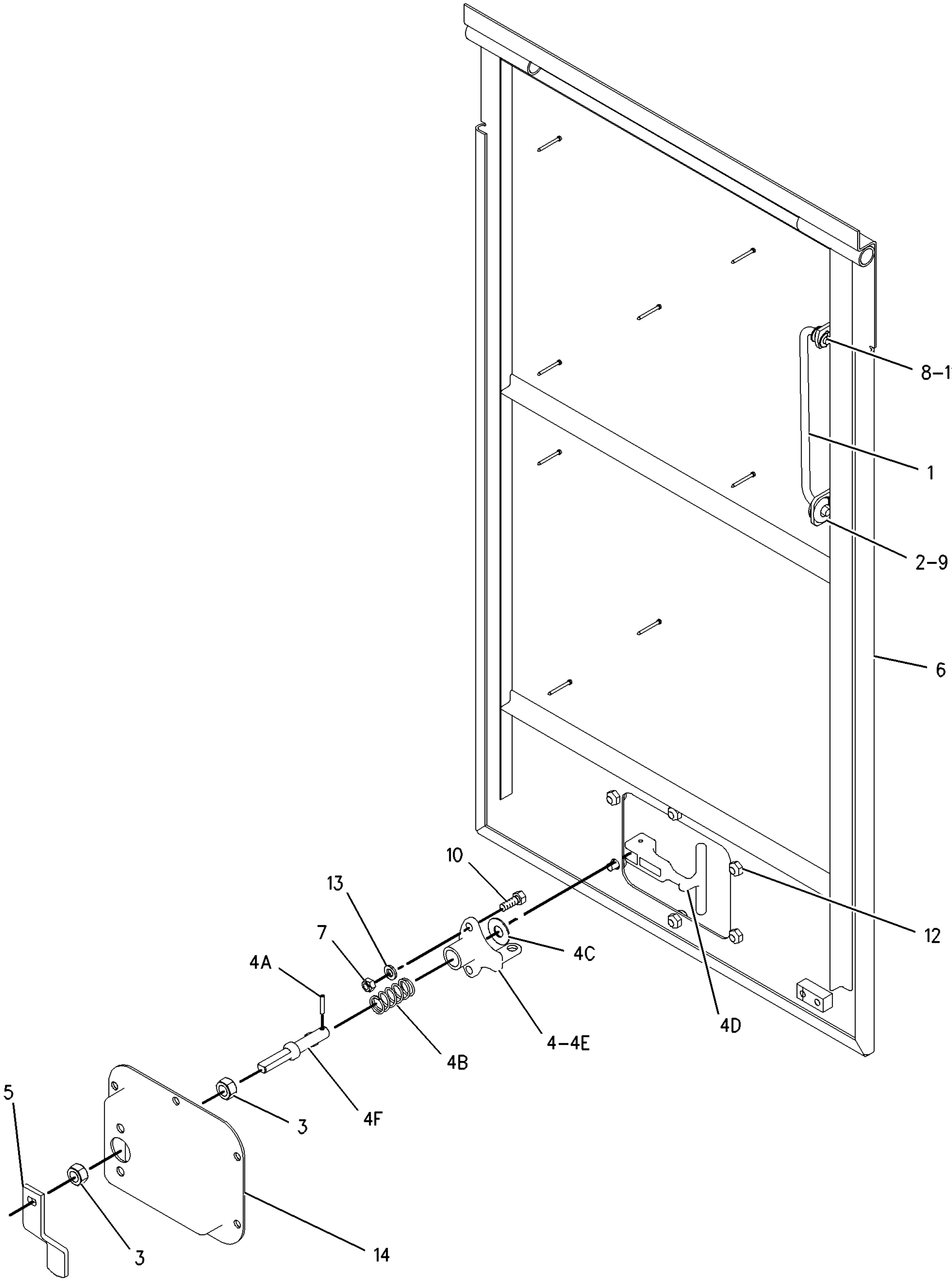
S/N: AKA1-UP

PART OF 160-2394 ENCLOSURE GP-ENGINE

SMCS-7263 i01502162

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3V-9399** | 1 | ROD AS | |
| | 2 | 1 | **4B-4278** | 1 | WASHER (10.2X20.5X1.6MM THK) | |
| | 3 | 1 | **8T-9496** | 2 | LOCKNUT | |
| | 4 | 1 | **8Y-4000** | 1 | LATCH AS (T-BAR/COMPARTMENT) | |
| | 4A | 1 | **6H-3956** | 1 | PIN | |
| | 4B | 1 | **7X-0766** | 1 | SPRING-LATCH | |
| | 4C | 1 | **8Y-3966** | 1 | WASHER (14.7X35X1.57MM THK) | |
| | 4D | 1 | **8Y-3998** | 1 | HANDLE-LATCH | |
| | 4E | 1 | **8Y-3999** | 1 | BRACKET-MOUNTING | |
| | 4F | 1 | **8Y-8306** | 1 | SHAFT-LATCH | |
| | 5 | 1 | **9W-8084** | 1 | PLATE | |
| | 6 | 1 | **121-2829** | 1 | DOOR AS-LH | |
| | 7 | 1 | **2K-4973** | 2 | LOCKNUT (3/8-16 THD) | |
| | 8 | 1 | **3B-4605** | 1 | COTTER | |
| | 9 | 1 | **4H-2558** | 1 | GROMMET | |
| | 10 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 11 | 1 | **4M-7470** | 1 | GROMMET | |
| | 12 | 1 | **6V-1193** | 6 | SCREW-HEX SOCKET (3/8-16X.625 IN) | |
| | 13 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 14 | 1 | **9W-8940** | 1 | PLATE | |

*165-2451* **DOOR GP-LH** ***(contd.)*** **i01502162**




GRAPHIC #1 g00762511

## *165-2443* DOOR GP-RH

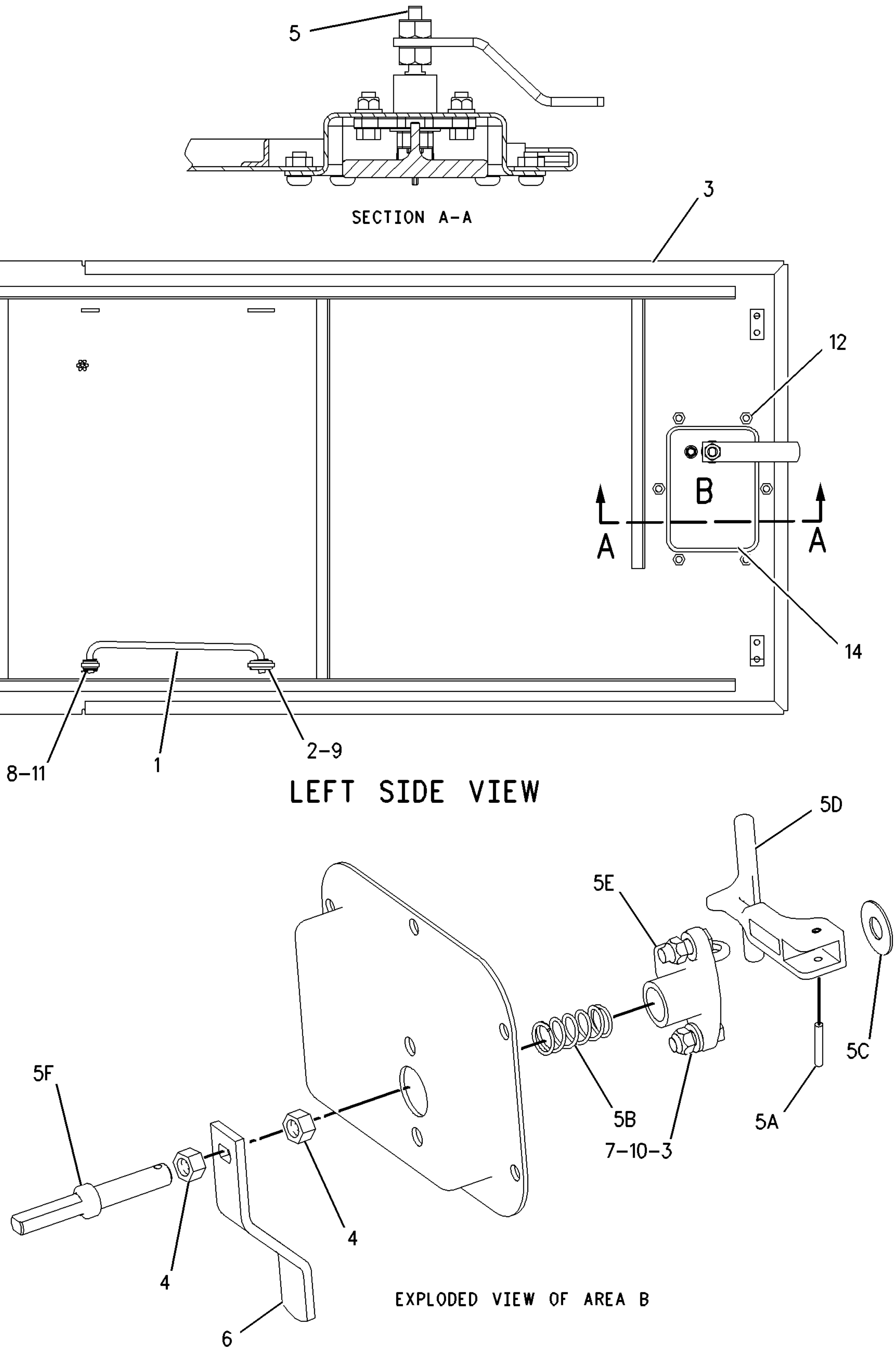
S/N: AKA1-UP

PART OF 160-2392 ENCLOSURE GP-ENGINE

SMCS-7263 i01393807

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3V-9399** | 1 | ROD AS | |
| | 2 | 1 | **4B-4278** | 1 | WASHER (10.2X20.5X1.6MM THK) | |
| | 3 | 1 | **7T-7208** | 1 | DOOR AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **8T-9496** | 2 | LOCKNUT (9/16-18 THD) | |
| | 5 | 1 | **8Y-4000** | 1 | LATCH AS (T-BAR/COMPARTMENT) | |
| | 5A | 1 | **6H-3956** | 1 | PIN | |
| | 5B | 1 | **7X-0766** | 1 | SPRING-LATCH | |
| | 5C | 1 | **8Y-3966** | 1 | WASHER (14.7X35X1.57MM THK) | |
| | 5D | 1 | **8Y-3998** | 1 | HANDLE-LATCH | |
| | 5E | 1 | **8Y-3999** | 1 | BRACKET-MOUNTING | |
| | 5F | 1 | **8Y-8306** | 1 | SHAFT-LATCH | |
| | 6 | 1 | **9W-8084** | 1 | PLATE | |
| | 7 | 1 | **2K-4973** | 2 | LOCKNUT (3/8-16 THD) | |
| | 8 | 1 | **3B-4605** | 1 | COTTER | |
| | 9 | 1 | **4H-2558** | 1 | GROMMET (15.88MM ID) | |
| | 10 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 11 | 1 | **4M-7470** | 1 | GROMMET | |
| | 12 | 1 | **6V-1193** | 6 | SCREW-HEX SOCKET (3/8-16X.625 IN) | |
| | 13 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 14 | 1 | **9W-8940** | 1 | PLATE | |

*165-2443* **DOOR GP-RH** ***(contd.)*** **i01393807**




GRAPHIC #1 g00749839

# *165-2449* DOOR GP-RH

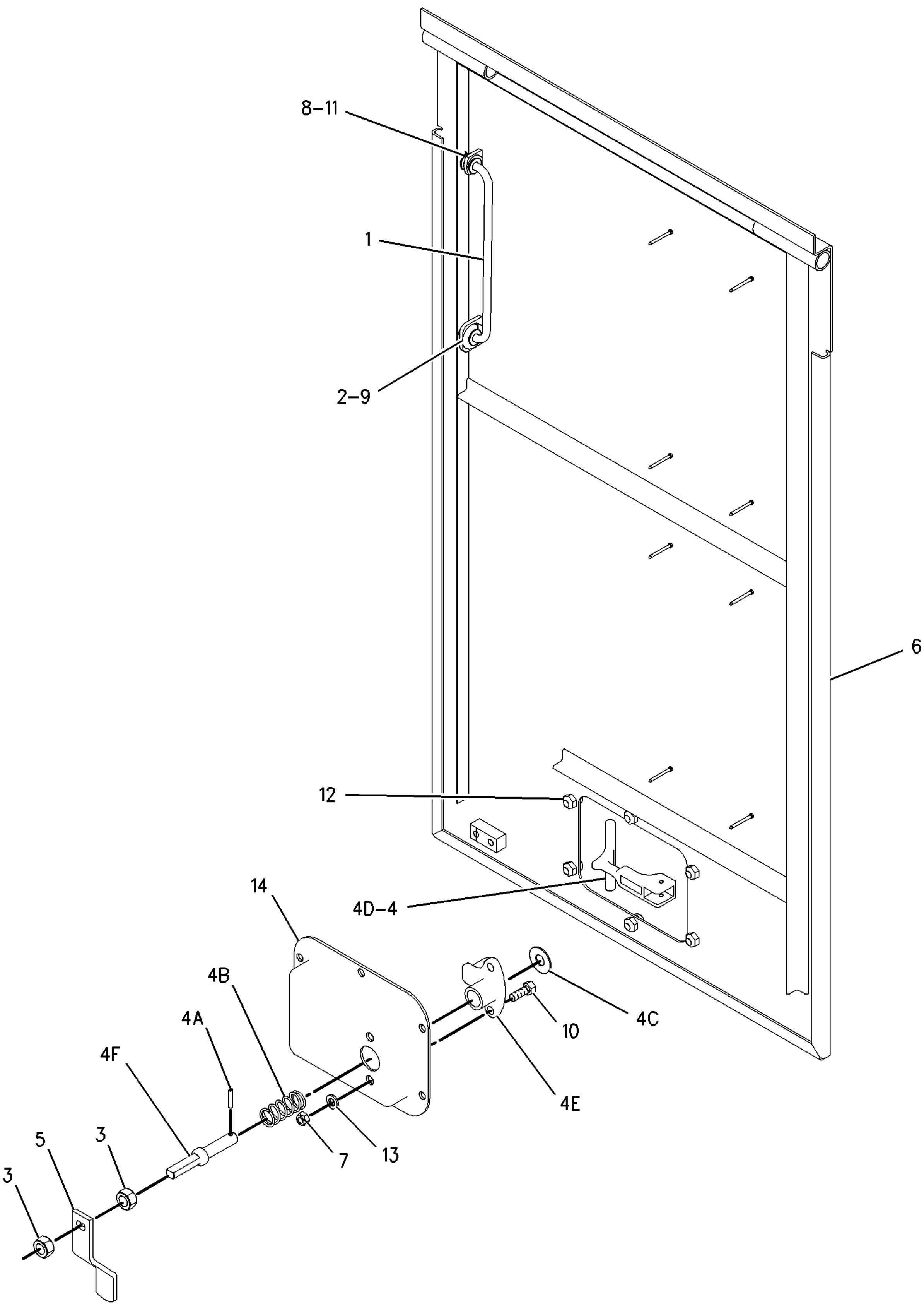
S/N: AKA1-UP

PART OF 160-2394 ENCLOSURE GP-ENGINE

SMCS-7263 i01502163

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3V-9399** | 1 | ROD AS | |
| | 2 | 1 | **4B-4278** | 1 | WASHER (10.2X20.5X1.6MM THK) | |
| | 3 | 1 | **8T-9496** | 2 | LOCKNUT | |
| | 4 | 1 | **8Y-4000** | 1 | LATCH AS (T-BAR/COMPARTMENT) | |
| | 4A | 1 | **6H-3956** | 1 | PIN | |
| | 4B | 1 | **7X-0766** | 1 | SPRING-LATCH | |
| | 4C | 1 | **8Y-3966** | 1 | WASHER (14.7X35X1.57MM THK) | |
| | 4D | 1 | **8Y-3998** | 1 | HANDLE-LATCH | |
| | 4E | 1 | **8Y-3999** | 1 | BRACKET-MOUNTING | |
| | 4F | 1 | **8Y-8306** | 1 | SHAFT-LATCH | |
| | 5 | 1 | **9W-8084** | 1 | PLATE | |
| | 6 | 1 | **108-1730** | 1 | DOOR AS-RH | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **2K-4973** | 2 | LOCKNUT (3/8-16 THD) | |
| | 8 | 1 | **3B-4605** | 1 | COTTER | |
| | 9 | 1 | **4H-2558** | 1 | GROMMET | |
| | 10 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 11 | 1 | **4M-7470** | 1 | GROMMET | |
| | 12 | 1 | **6V-1193** | 6 | SCREW-HEX SOCKET (3/8-16X.625 IN) | |
| | 13 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 14 | 1 | **9W-8940** | 1 | PLATE | |

*165-2449* **DOOR GP-RH** ***(contd.)*** **i01502163**




GRAPHIC #1

g00764635

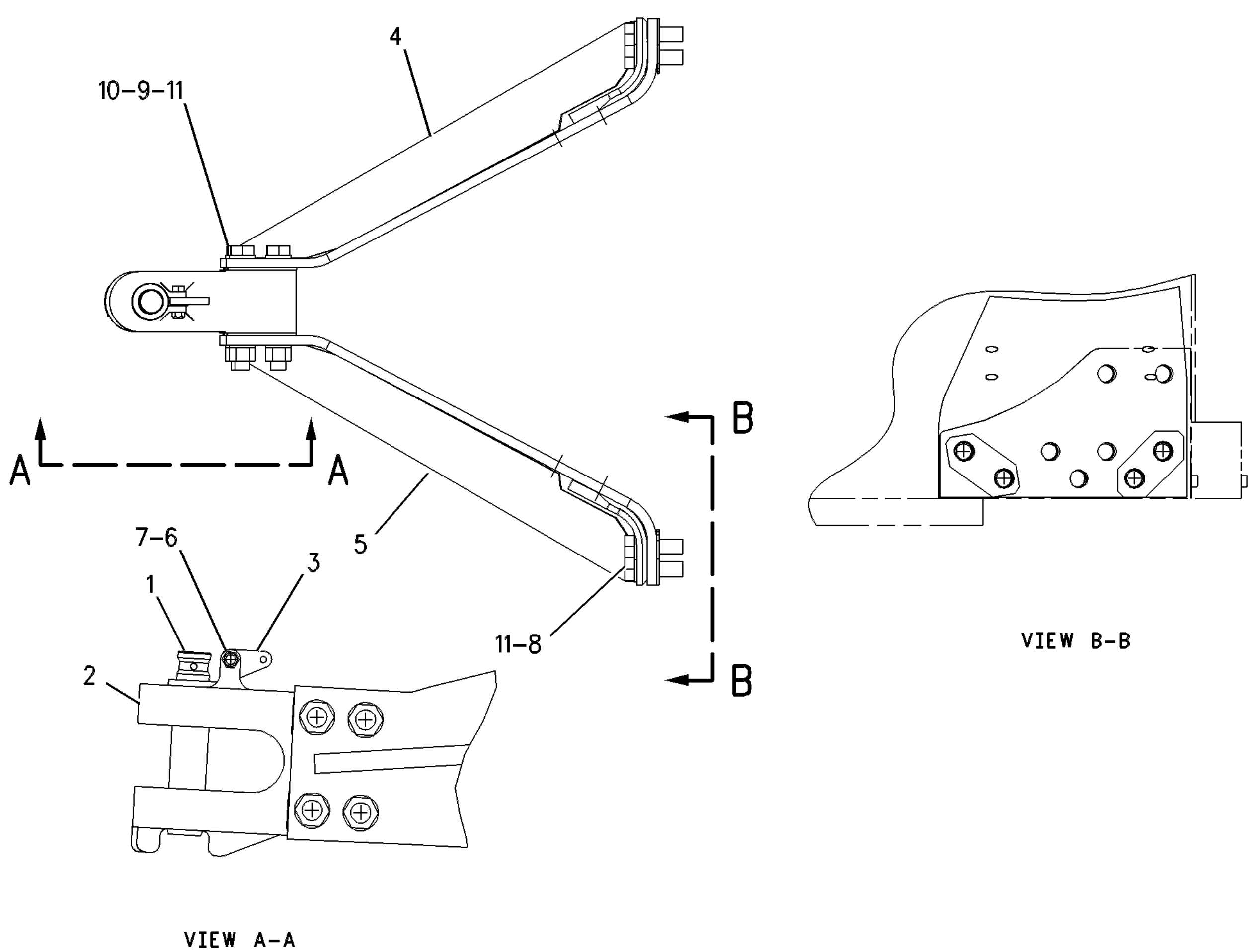
# FRAME AND BODY

## *159-8105* DRAWBAR GP

S/N: AKA1-UP

SMCS-7105, 7119 | i01446973

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1H-4106** | 1 | PIN AS-DRAWBAR | |
| | 2 | 1 | **2H-2534** | 1 | CLEVIS-DRAWBAR | |
| | 3 | 1 | **5H-2168** | 1 | LATCH-PIN | |
| | 4 | 1 | **7T-5793** | 1 | BRACKET AS-LH | |
| | 5 | 1 | **7T-5798** | 1 | BRACKET AS-RH | |
| | 6 | 1 | **3K-2889** | 1 | LOCKNUT | |
| | 7 | 1 | **7X-0347** | 1 | BOLT (5/8-11X2.25 IN) | |
| | 8 | 1 | **7X-0428** | 8 | BOLT (1 1/4-7X4 IN) | |
| | 9 | 1 | **7X-0437** | 4 | BOLT | |
| | 10 | 1 | **7X-0451** | 4 | NUT-FULL (1-1/4-7 THD) | |
| | 11 | 1 | **7X-0533** | 16 | WASHER-HARD (34X55X6MM THK) | |




GRAPHIC #1

g00533340

# MEMORANDA

# *160-2392* ENCLOSURE GP-ENGINE

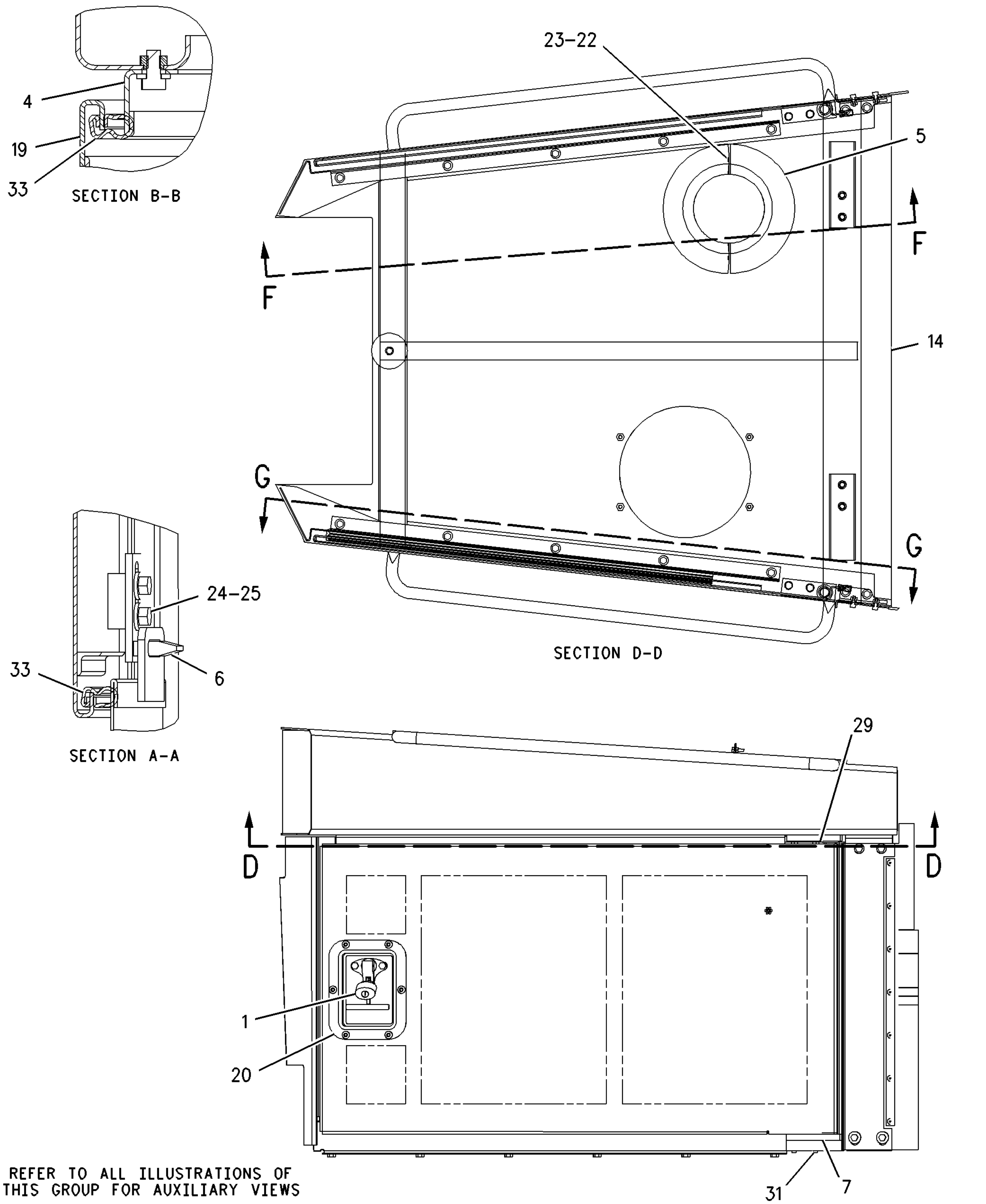
S/N: AKA1-UP

SMCS-7263 i01461066

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2Y-4071** | 2 | PADLOCK | |
| | | | | | (EACH INCLUDES 2 KEYS) | |
| | 2 | 2 | **6T-9509** | 2 | HINGE AS-RH | |
| | 3 | 2 | **6T-9510** | 2 | HINGE AS-LH | |
| | 4 | 1 | **7T-7213** | 2 | PLATE | |
| | 5 | 1 | **7T-7214** | 2 | PLATE | |
| | 6 | 1 | **9W-5290** | 2 | PLATE AS | |
| | 7 | 1 | **9W-9044** | 2 | PLATE | |
| | 8 | 2 | **114-0399** | 1 | PLATE AS-RH | |
| | 9 | 2 | **114-0401** | 1 | PLATE AS-LH | |
| | 10 | 2 | **127-1054** | 1 | PLATE AS-RH | |
| | | 2 | **6B-4594** | 7 | RIVET | |
| | 11 | 2 | **127-1056** | 1 | PLATE AS-LH | |
| | | 2 | **6B-4594** | 7 | RIVET | |
| | 12 | 2 | **127-1059** | 1 | ANGLE AS-RH | |
| | | 2 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 13 | 2 | **127-2269** | 1 | ANGLE AS-LH | |
| | | 2 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 14 | 1 | **160-2382** | 1 | HOOD AS | |
| | | 1 | **1F-0748** | 7 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 18 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **3J-5169** | 1 | NUT (5/8-11 THD) | |
| | 15 | 2 | **160-2383** | 1 | PLATE AS-RH | |
| | | 2 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 16 | 2 | **160-2385** | 1 | PLATE AS-LH | |
| | | 2 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 17 | 2 | **164-5966** | 1 | PLATE AS | |
| | | 2 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 18 | 2 | **164-5968** | 1 | PLATE AS | |
| | | 2 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| Y | 19 | 1 | **165-2443** | 1 | DOOR GP-RH | 400 |
| Y | 20 | 1 | **165-2446** | 1 | DOOR GP-LH | 396 |
| | 21 | 2 | **186-1456** | 1 | SHIELD AS | |
| | 22 | 1 | **1H-3337** | 2 | BOLT (1/4-20X0.875 IN) | |
| | 23 | 1 | **2D-6235** | 2 | LOCKNUT | |
| | 24 | 1,2 | **5M-3062** | 32 | BOLT (3/8-16X0.75 IN) | |
| | 25 | 1,2 | **5P-1075** | 28 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 26 | 2 | **5S-7382** | 4 | BOLT (3/8-16X1.375 IN) | |
| | 27 | 2 | **7T-8201** | 2 | BLOCK | |
| | 28 | 2 | **8T-2561** | 4 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 29 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| B | 30 | 2 | **8T-4123** | 4 | WASHER-PLATED (22X35X3.5MM THK) | |
| | 31 | 1 | **8T-9377** | 4 | BOLT (3/8-16X2.25 IN) | |
| BD | 32 | 2 | **5P-7211** | | SEAL | |
| BD | 33 | 1,2 | **5P-7483** | | SEAL | |

B-USE AS REQUIRED
D-ORDER BY THE METER
Y-SEPARATE ILLUSTRATION

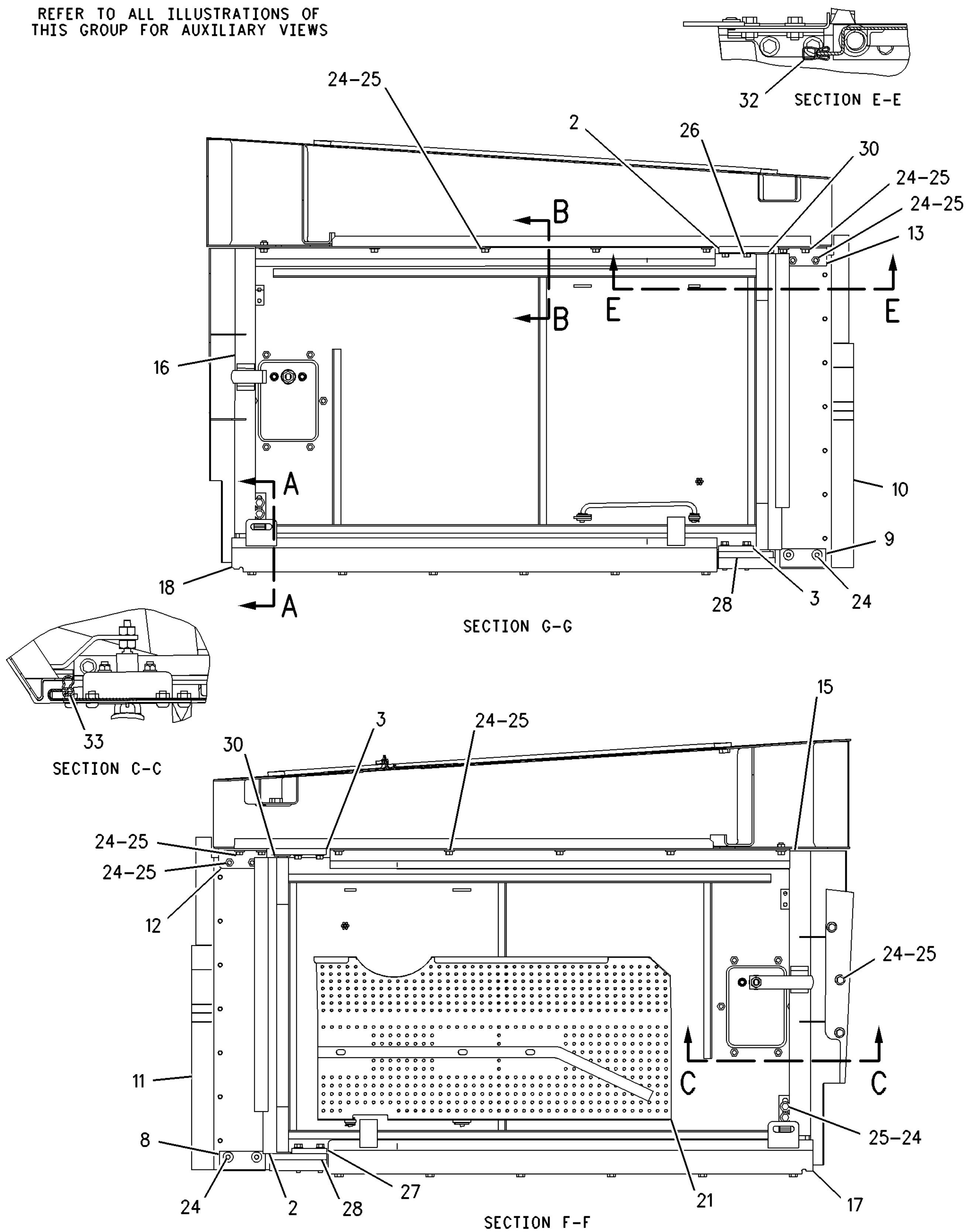
*160-2392* **ENCLOSURE GP-ENGINE** ***(contd.)*** **i01461066**




GRAPHIC #1

g00742744

*160-2392* **ENCLOSURE GP-ENGINE** ***(contd.)*** **i01461066**




GRAPHIC #2

g00742746

# MEMORANDA

# *160-2394* ENCLOSURE GP-ENGINE

**S/N: AKA1-UP**

**SOUND SUPPRESSION**

**PART OF 157-8035 SUPPRESSION AR-SOUND**

**SMCS-7263** **i01461127**

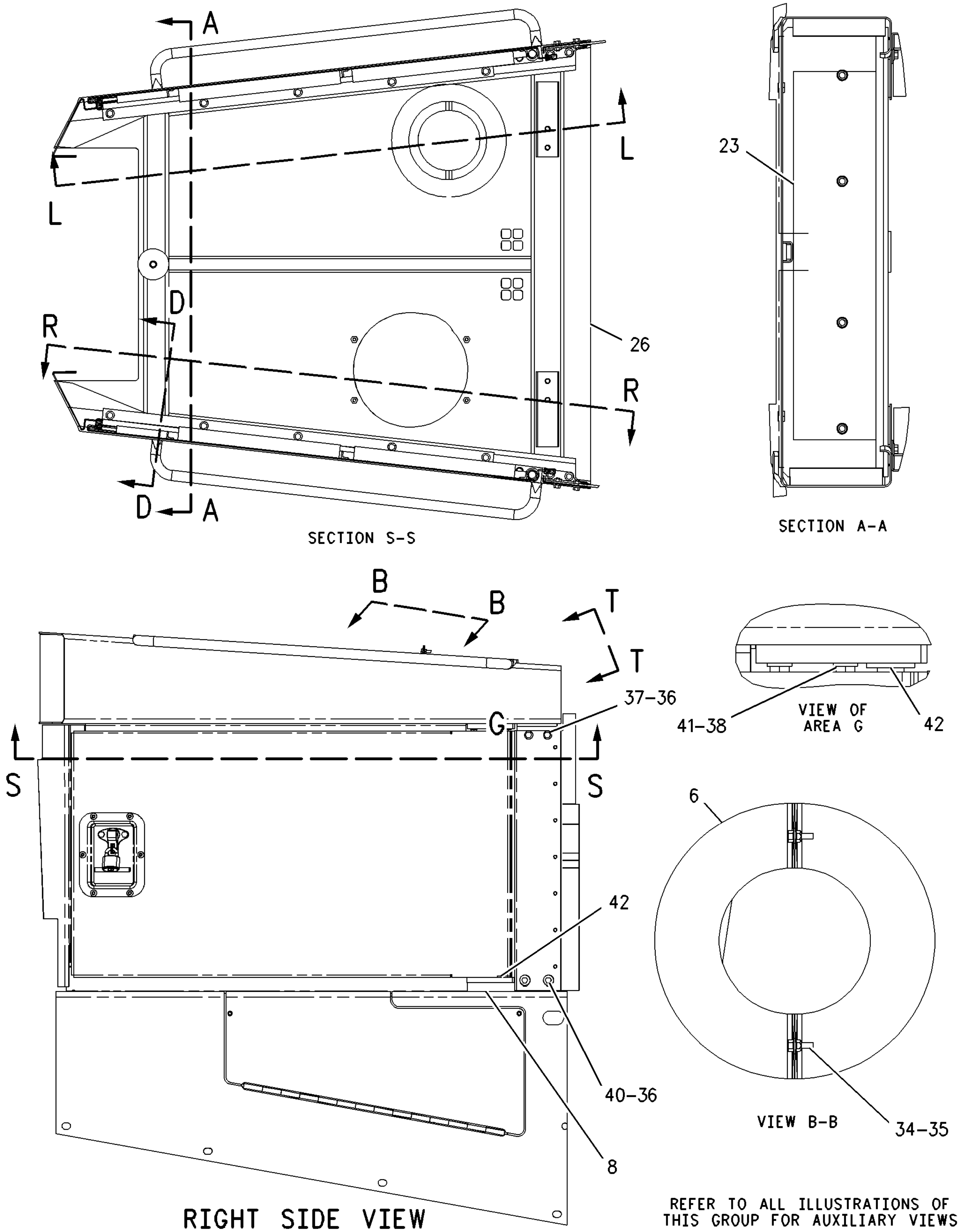
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 2 | **5P-8502** | 2 | PADLOCK GP | |
| | | | | | (EACH INCLUDES) | |
| A | | 2 | **5P-8500** | 1 | KEY | |
| A | | 2 | **8Y-6364** | 1 | SLEEVE | |
| | 2 | 2 | **6P-2216** | 46 | CAP-PUSH ON | |
| | 3 | 2 | **6T-9509** | 2 | HINGE AS-RH | |
| | 4 | 2 | **6T-9510** | 2 | HINGE AS-LH | |
| | 5 | 2 | **7T-7213** | 2 | PLATE | |
| | 6 | 1 | **7T-7214** | 2 | PLATE | |
| | 7 | 2 | **9W-5290** | 2 | PLATE AS | |
| | 8 | 1 | **9W-9044** | 2 | PLATE | |
| | 9 | 2 | **108-1732** | 1 | LINER-LH | |
| | 10 | 2 | **108-1735** | 3 | LINER | |
| | 11 | 2 | **108-1736** | 1 | LINER | |
| | 12 | 2 | **108-1739** | 1 | LINER | |
| | 13 | 2 | **108-1741** | 1 | LINER | |
| | 14 | 2 | **108-1742** | 1 | LINER | |
| | 15 | 2 | **114-0399** | 1 | PLATE AS-RH | |
| | 16 | 2 | **114-0401** | 1 | PLATE AS-LH | |
| | 17 | 2 | **115-1961** | 1 | LINER-RH | |
| | 18 | 2 | **127-1054** | 1 | PLATE AS-RH | |
| | | 2 | **6B-4594** | 7 | RIVET | |
| | 19 | 2 | **127-1056** | 1 | PLATE AS-LH | |
| | | 2 | **6B-4594** | 7 | RIVET | |
| | 20 | 2 | **127-1059** | 1 | ANGLE AS-RH | |
| | | 2 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 21 | 2 | **127-2269** | 1 | ANGLE AS-LH | |
| | | 2 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 22 | 2 | **199-3213** | 1 | LINER | |
| | 23 | 1 | **131-0135** | 1 | LINER | |
| | 24 | 2 | **160-2383** | 1 | PLATE AS-RH | |
| | | 2 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 25 | 2 | **160-2385** | 1 | PLATE AS-LH | |
| | | 2 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 26 | 1 | **160-2395** | 1 | HOOD AS | |
| | | 1 | **1F-0748** | 7 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 18 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **3J-5169** | 1 | NUT (5/8-11 THD) | |
| | 27 | 2 | **160-2411** | 1 | PLATE AS-RH | |
| | | 2 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | 28 | 2 | **160-2413** | 1 | PLATE AS-LH | |
| | | 2 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | 29 | 2 | **164-5966** | 1 | PLATE AS | |
| | | 2 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 30 | 2 | **164-5968** | 1 | PLATE AS | |
| Y | 31 | 2 | *165-2449* | 1 | DOOR GP-RH | 402 |
| Y | 32 | 2 | *165-2451* | 1 | DOOR GP-LH | 398 |
| | 33 | 2 | **186-1456** | 1 | SHIELD AS | |
| | 34 | 1 | **1H-3337** | 2 | BOLT (1/4-20X0.875 IN) | |
| | 35 | 1 | **2D-6235** | 2 | LOCKNUT | |
| | 36 | 1,2 | **5M-3062** | 32 | BOLT (3/8-16X0.75 IN) | |
| | 37 | 1,2 | **5P-1075** | 28 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 38 | 1 | **5S-7382** | 4 | BOLT (3/8-16X1.375 IN) | |
| | 39 | 2 | **7T-8201** | 2 | BLOCK | |
| | 40 | 1 | **8T-2561** | 4 | WASHER-HARD (10.5X28.5X5MM THK) | |

## *160-2394* **ENCLOSURE GP-ENGINE** *(contd.)* **i01461127**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 1,2 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 42 | 1 | **8T-4123** | 4 | WASHER-PLATED (22X35X3.5MM THK) | |
| | 43 | 2 | **8T-9377** | 4 | BOLT (3/8-16X2.25 IN) | |
| D | 44 | 2 | **5P-7211** | | SEAL (1.8M) | |
| D | 45 | 2 | **5P-7483** | | SEAL (5.5M) | |

A-NOT PART OF THIS GROUP
D-ORDER BY THE METER
Y-SEPARATE ILLUSTRATION

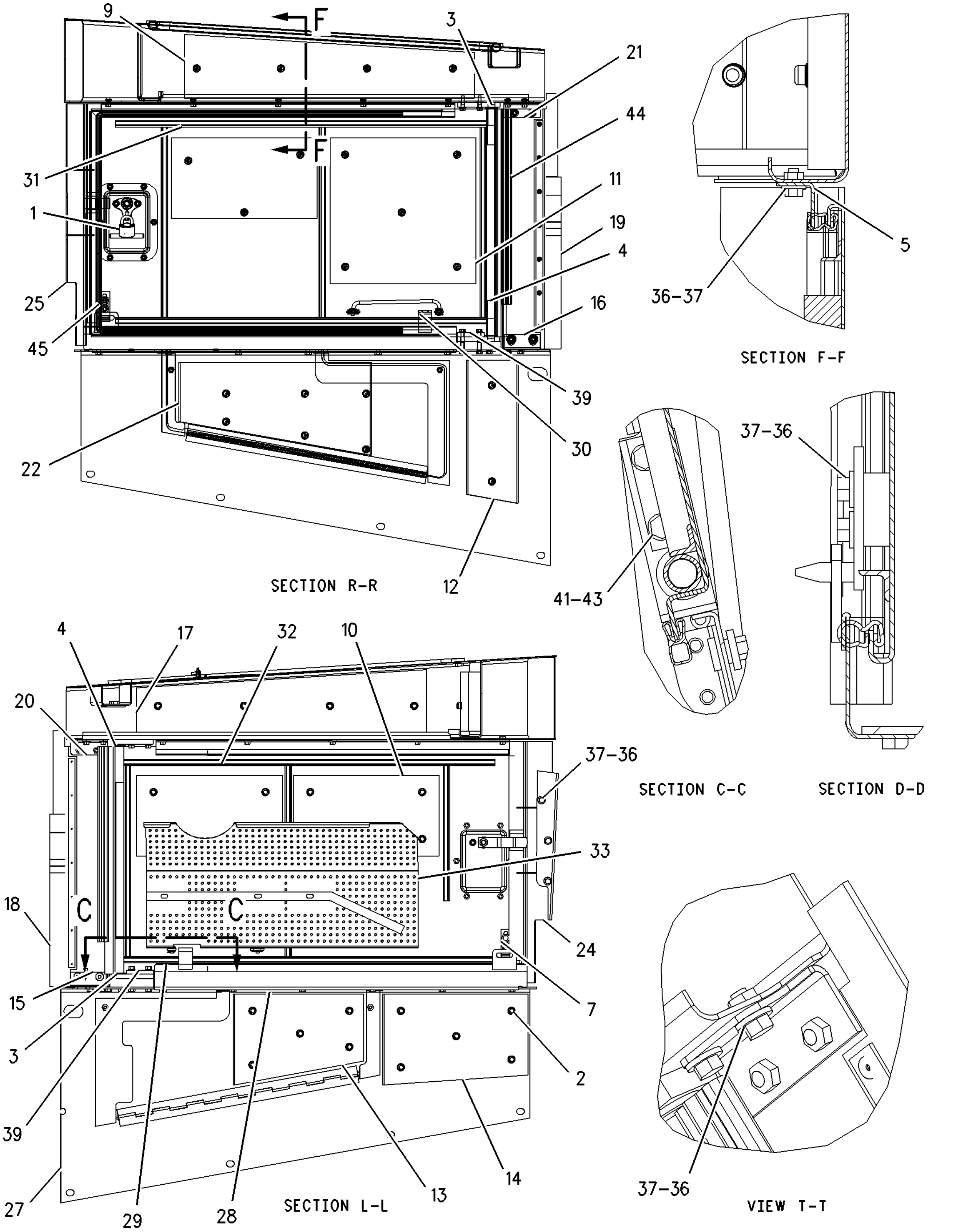
*160-2394* **ENCLOSURE GP-ENGINE** ***(contd.)*** **i01461127**




GRAPHIC #1

g00739173

*160-2394* **ENCLOSURE GP-ENGINE** ***(contd.)*** **i01461127**




GRAPHIC #2

g00739175

## *160-4919* ENCLOSURE GP-HYDRAULIC TANK

**S/N: AKA1-UP**

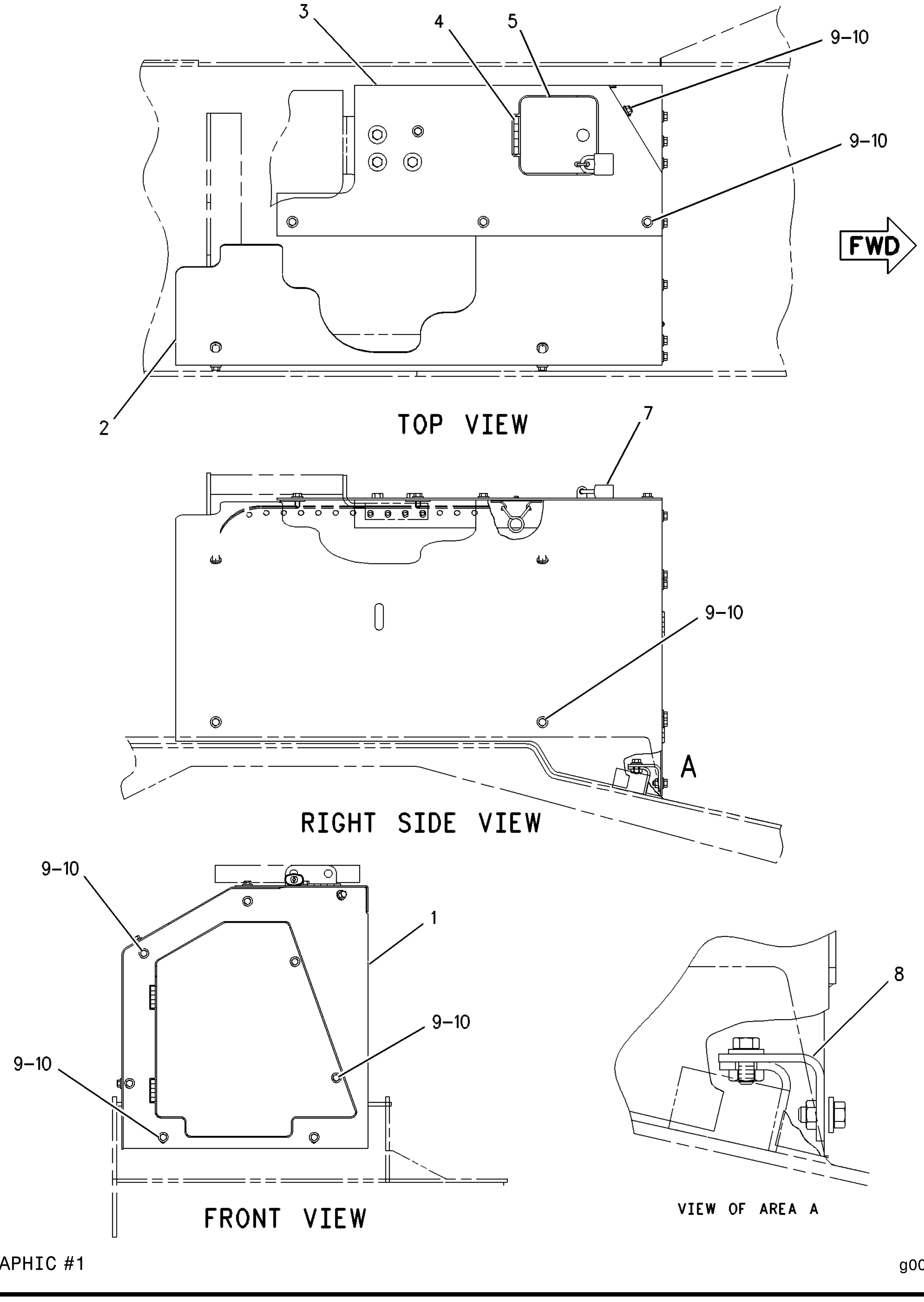
**PART OF 157-0819 CHASSIS AR**

**SMCS-5056** **i01437110**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **160-2442** | 1 | PLATE AS | |
| | | 1 | **9B-2923** | 2 | HINGE | |
| | 2 | 1 | **160-2440** | 1 | COVER AS | |
| | 3 | 1 | **160-2441** | 1 | PLATE AS | |
| | | 1 | **4K-8501** | 2 | CLIP | |
| | 4 | 1 | **7G-9913** | 1 | DOOR | |
| | 5 | 1 | **9B-2052** | 1 | HINGE | |
| | 6 | 1 | **1K-8850** | 1 | SPRING | |
| | 7 | 1 | **5P-8502** | 1 | PADLOCK GP | |
| A | | 1 | **5P-8500** | 1 | KEY (STARTER) | |
| A | | 1 | **8Y-6364** | 1 | SLEEVE | |
| | 8 | 1 | **8E-8566** | 2 | BRACKET AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 9 | 1 | **5S-7379** | 18 | BOLT (3/8-16X0.875 IN) | |
| | 10 | 1 | **5P-1075** | 18 | WASHER-HARD (10.2X22.5X3MM THK) | |

A-NOT PART OF THIS GROUP

*160-4919* **ENCLOSURE GP-HYDRAULIC TANK** ***(contd.)*** **i01437110**




GRAPHIC #1

g00529957

# *156-9662* FENDER GP

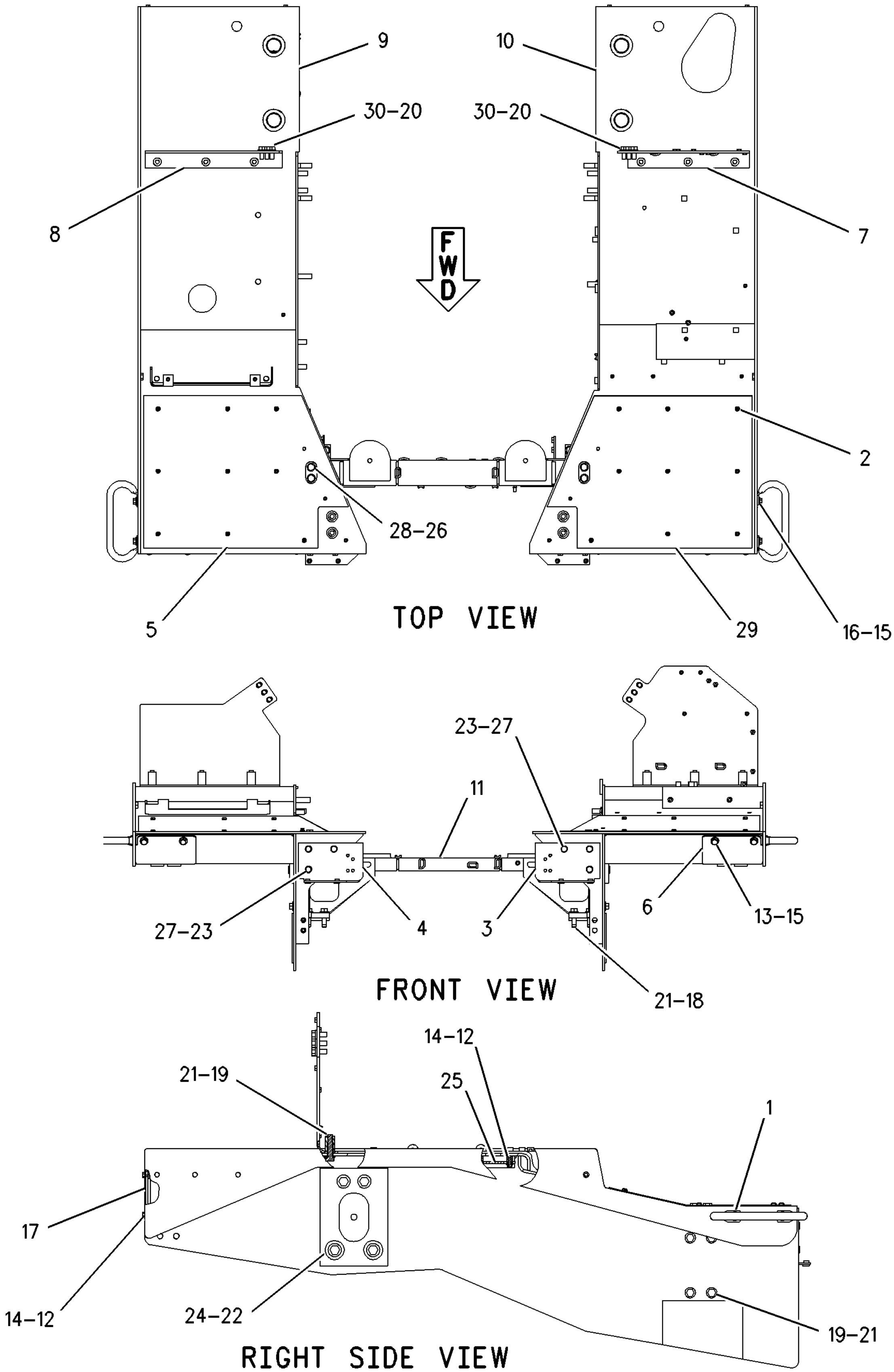
**S/N: AKA1-UP**

**PART OF 157-0819 CHASSIS AR**

**SMCS-7252** **i01502164**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3W-3896** | 2 | HANDHOLD | |
| | 2 | 1 | **6J-0488** | 18 | SCREW-BUTTON HEAD (3/8-16X0.875 IN) | |
| | 3 | 1 | **172-5072** | 1 | PLATE AS-LH | |
| | 4 | 1 | **172-5074** | 1 | PLATE AS-RH | |
| | 5 | 1 | **9W-9122** | 1 | PLATE-RH | |
| | 6 | 1 | **134-3733** | 2 | PLATE | |
| | 7 | 1 | **156-3567** | 1 | PLATE AS | |
| | | 1 | **9F-6445** | 5 | NUT-WELD (1/4-20 THD) | |
| | 8 | 1 | **156-3569** | 1 | PLATE AS | |
| | 9 | 1 | **156-9663** | 1 | FENDER AS-RH | |
| | 10 | 1 | **156-9664** | 1 | FENDER AS-LH | |
| | 11 | 1 | **157-3521** | 1 | SUPPORT AS | |
| | 12 | 1 | **4L-6454** | 10 | BOLT (3/8-16X1 IN) | |
| | 13 | 1 | **5C-6565** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 14 | 1 | **5P-1075** | 10 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 15 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |
| | 16 | 1 | **5P-2566** | 4 | BOLT (1/2-13X1.5 IN) | |
| | 17 | 1 | **6Y-8557** | 2 | DOOR | |
| | 18 | 1 | **7X-0346** | 8 | BOLT (5/8-11X2 IN) | |
| | 19 | 1 | **7X-0349** | 14 | BOLT (5/8-11X3 IN) | |
| | 20 | 1 | **7X-0513** | 6 | WASHER-HARD (17X30X5MM THK) | |
| | 21 | 1 | **7X-0515** | 22 | WASHER-HARD (17X35X5MM THK) | |
| | 22 | 1 | **7X-0582** | 8 | WASHER-HARD (20X44.5X6MM THK) | |
| | 23 | 1 | **8C-4436** | 6 | BOLT (1/2-13X1.375 IN) | |
| | 24 | 1 | **8C-6857** | 8 | BOLT (3/4-10X2.75 IN) | |
| | 25 | 1 | **8E-8422** | 1 | COVER AS | |
| | 26 | 1 | **8T-4122** | 4 | WASHER-HARD (17X32X3.5MM THK) | |
| | 27 | 1 | **8T-4223** | 6 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 28 | 1 | **8T-9393** | 4 | BOLT (5/8-11X1.5 IN) | |
| | 29 | 1 | **9W-9123** | 1 | PLATE-LH | |
| | 30 | 1 | **8T-6871** | 6 | BOLT (5/8-11X2.50 IN) | |

*156-9662* **FENDER GP** ***(contd.)*** **i01502164**



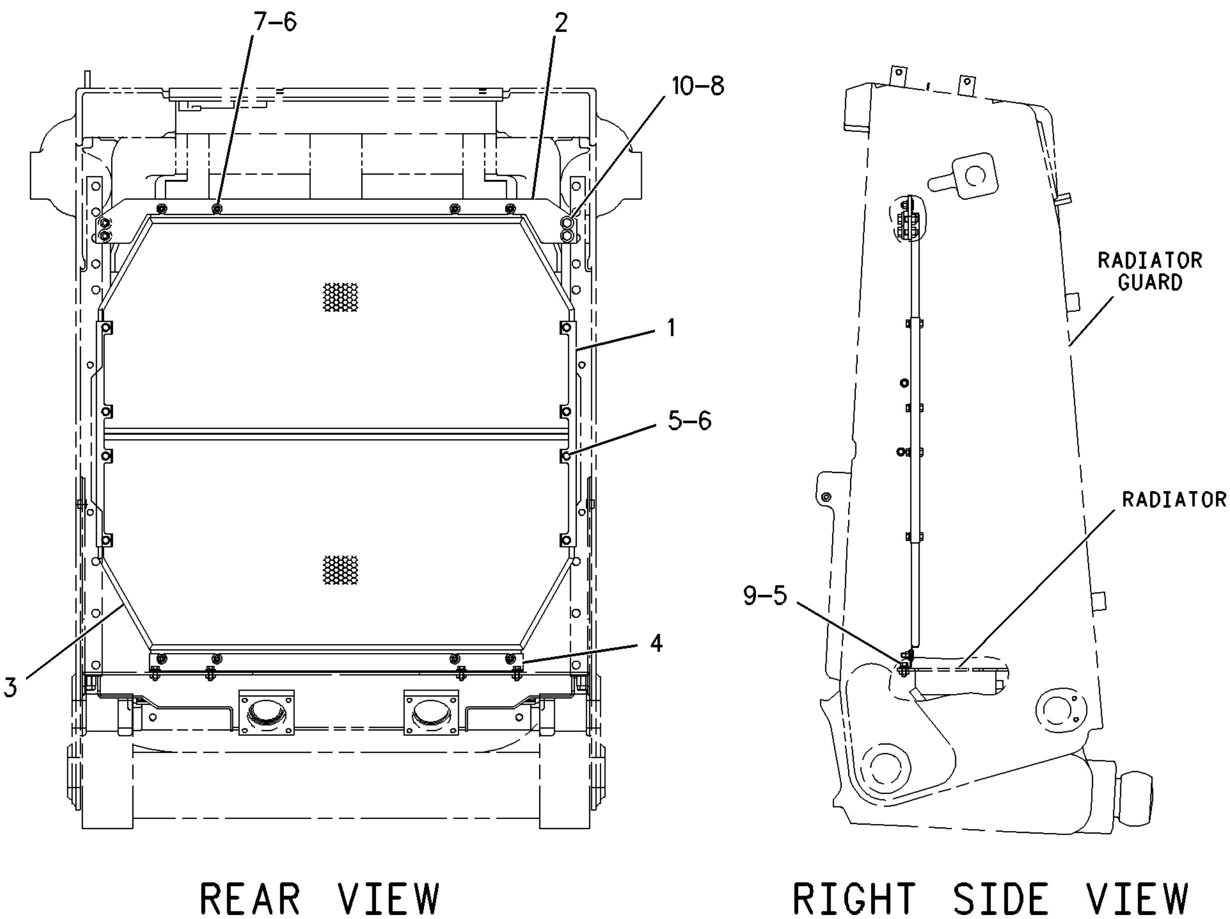

GRAPHIC #1 g00757472

## *115-9589* GRID GP-SAND BLAST ERODING

S/N: AKA1-UP

SMCS-7179 i01253279

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **137-4940** | 2 | PLATE | |
| | 2 | 1 | **115-9354** | 1 | BRACKET AS | |
| | | 1 | **1F-0748** | 4 | NUT-WELD (1/2-13 THD) | |
| | 3 | 1 | **143-1265** | 2 | GRID AS-SAND BLAST | |
| | 4 | 1 | **113-6362** | 1 | BRACKET | |
| | 5 | 1 | **4L-6454** | 12 | BOLT (3/8-16X1 IN) | |
| | 6 | 1 | **5P-1075** | 16 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 7 | 1 | **6V-8801** | 8 | NUT (3/8-16 THD) | |
| | 8 | 1 | **5P-1076** | 4 | WASHER-HARD (13.5X30X4MM THK) | |
| | 9 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 10 | 1 | **5P-2566** | 4 | BOLT (1/2-13X1.5 IN) | |




GRAPHIC #1 g00773459

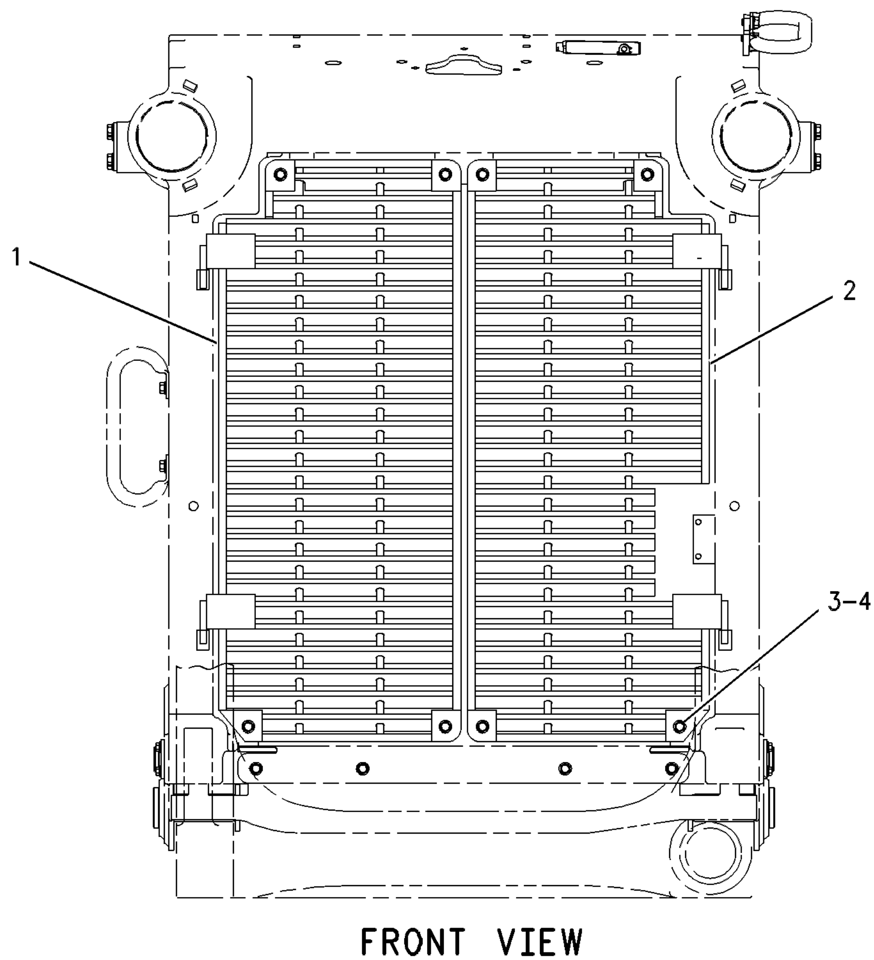
# *108-4213* GRILL GP-RADIATOR

**S/N: AKA1-UP**

**HEAVY DUTY**

**SMCS-7170** **i01441269**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **108-4215** | 1 | GRILL AS-RH | |
| | 2 | 1 | **108-4214** | 1 | GRILL AS-LH | |
| | 3 | 1 | **5P-2424** | 8 | BOLT (1/2-13X2.25 IN) | |
| | 4 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |




GRAPHIC #1

g00526820

# *118-7442* GRILL GP-RADIATOR

**S/N: AKA1-UP**

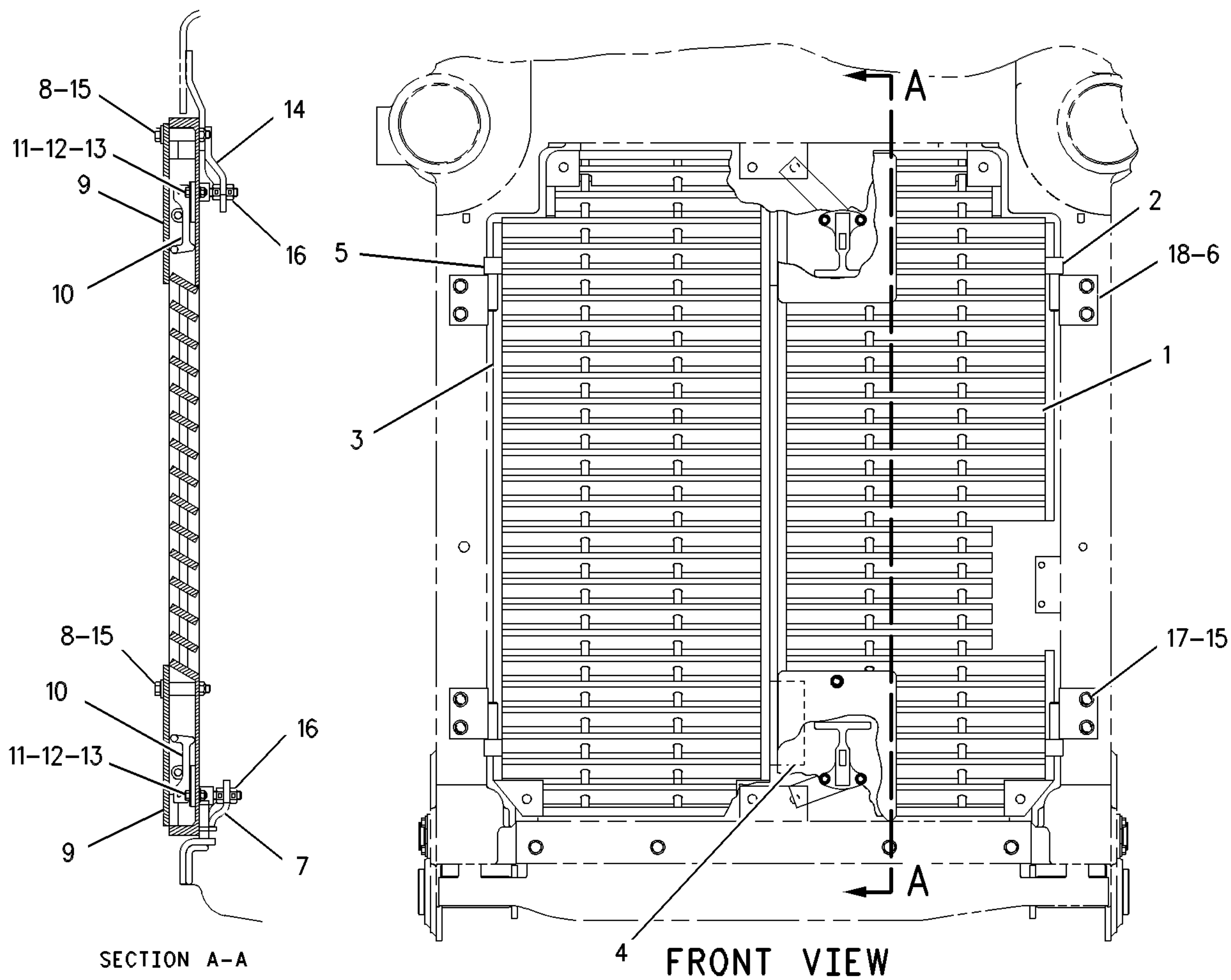
**PART OF 143-7722 DISPOSAL AR-WASTE, 143-7740 WOODCHIP AR**

**SMCS-7170** **i01223754**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **120-6538** | 1 | GRILL AS-LH | |
| | 2 | 1 | **068-5893** | 2 | SPACER | |
| | 3 | 1 | **120-6539** | 1 | GRILL AS-RH | |
| | 4 | 1 | **2G-6741** | 2 | PLATE | |
| | 5 | 1 | **068-5893** | 2 | SPACER | |
| B | 6 | 1 | **1Q-3677** | 12 | SHIM (3MM THK) | |
| | 7 | 1 | **133-5615** | 1 | PAWL-BOTTOM | |
| | 8 | 1 | **8T-8920** | 2 | BOLT (1/2-13X3.25IN) | |
| | 9 | 1 | **1Z-9455** | 2 | PLATE | |
| | 10 | 1 | **8Y-4000** | 2 | LATCH AS (T-BAR/COMPARTMENT) | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6H-3956** | 1 | PIN | |
| | | 1 | **7X-0766** | 1 | SPRING-LATCH | |
| | | 1 | **8Y-3966** | 1 | WASHER (1.57MM THK) | |
| | | 1 | **8Y-3998** | 1 | HANDLE-LATCH | |
| | | 1 | **8Y-3999** | 1 | BRACKET-MOUNTING | |
| | | 1 | **8Y-8306** | 1 | SHAFT-LATCH | |
| | 11 | 1 | **8T-2502** | 4 | BOLT (3/8-16X1.125IN) | |
| | 12 | 1 | **8T-4896** | 4 | WASHER-HARD (2.5MM THK) | |
| | 13 | 1 | **2K-4973** | 4 | LOCKNUT (3/8-16 THD) | |
| | 14 | 1 | **133-5616** | 1 | PAWL-TOP | |
| | 15 | 1 | **8T-4223** | 10 | WASHER-HARD (3MM THK) | |
| | 16 | 1 | **8T-9496** | 4 | LOCKNUT (9/16-18 THD) | |
| | 17 | 1 | **5P-2566** | 8 | BOLT (1/2-13X1.50 IN) | |
| | 18 | 1 | **109-3874** | 4 | HINGE AS | |

B-USE AS REQUIRED

*118-7442* **GRILL GP-RADIATOR** ***(contd.)*** **i01223754**




GRAPHIC #1 g00512729

# *143-7767* GUARD AR-BOTTOM

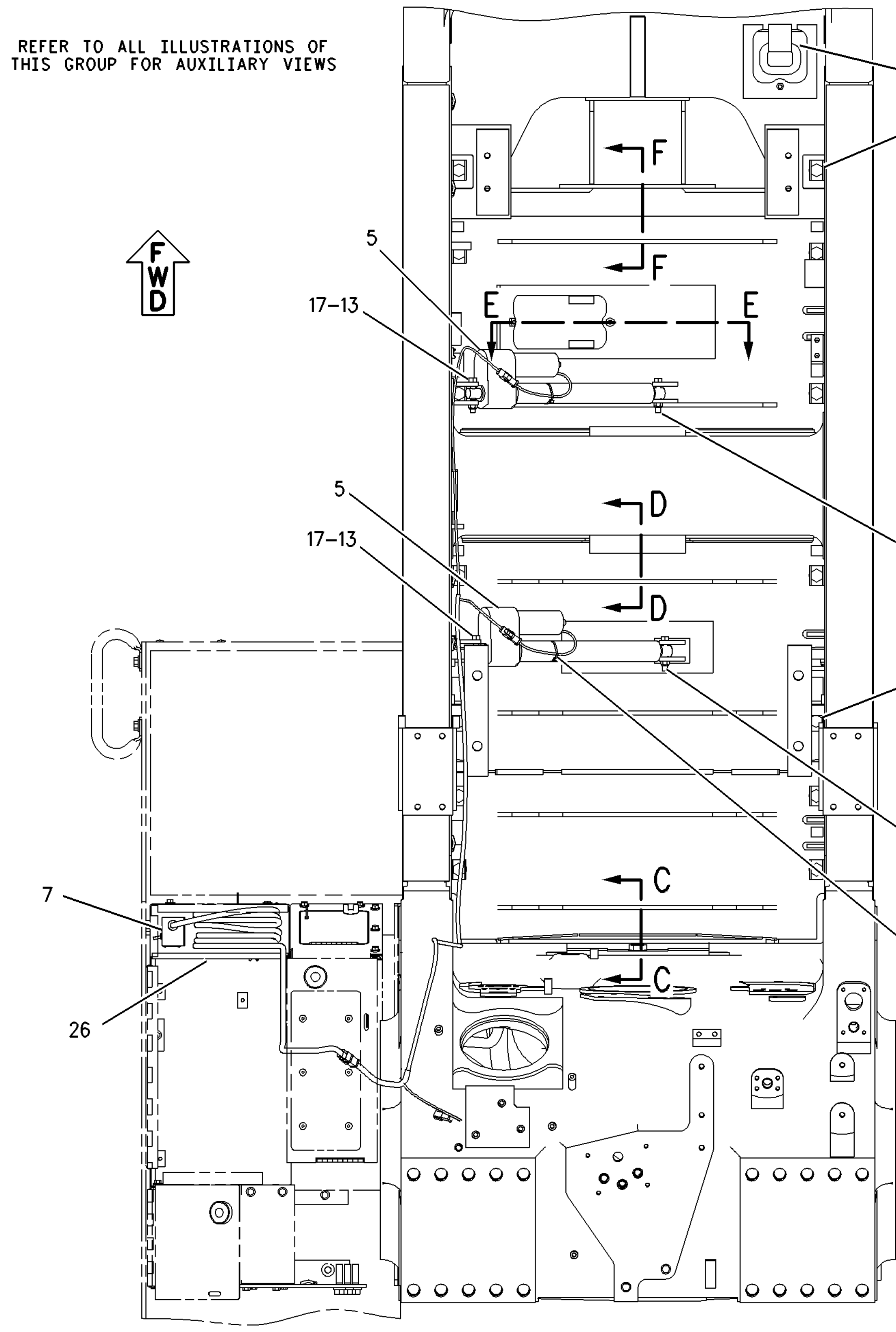
S/N: AKA1-UP

SMCS-7051, 7153 — i01488578

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3T-2747** | 14 | RETAINER | |
| | 2 | 1 | **7G-6495** | 1 | COVER | |
| B | 3 | 1 | **7K-1181** | 14 | STRAP-CABLE | |
| | 4 | 2 | **9W-1085** | 1 | GUARD AS | |
| | | 2 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| Y | 5 | 1 | **102-6331** | 2 | ACTUATOR GP-POWER (BOTTOM GUARDS) | 372 |
| | 6 | 3 | **107-6174** | 1 | COVER AS | |
| Y | 7 | 1 | *112-8117* | 1 | CONTROL AS-REMOTE (POWERED BOTTOM GUARDS) | 390 |
| | 8 | 2 | **143-7768** | 1 | HARNESS AS (POWERED BOTTOM GUARD) | |
| | | 2 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 9 | 2 | **163-5744** | 1 | GUARD AS | |
| | | 2 | **8T-5912** | 2 | NUT-WELD (3/8-16 THD) | |
| | 10 | 2 | **163-5745** | 1 | GUARD AS | |
| | | 2 | **112-1500** | 1 | PLATE AS | |
| Y | 11 | 2 | *187-0428* | 1 | CASE & FRAME GP | 380 |
| | 12 | 2 | **191-8283** | 3 | PIN | |
| | 13 | 1 | **1K-6872** | 4 | LOCKNUT (1/2-13 THD) | |
| | 14 | 2 | **3B-4640** | 3 | COTTER | |
| | 15 | 3 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 16 | 1 | **6V-8182** | 14 | NUT (3/4-10 THD) | |
| | 17 | 1 | **7X-0326** | 4 | BOLT (1/2-13X3 IN) | |
| | 18 | 2 | **7X-0365** | 6 | BOLT (3/4-10X1.5 IN) | |
| | 19 | 1 | **7X-0375** | 12 | BOLT (3/4-10X5 IN) | |
| | 20 | 1,2 | **7X-0582** | 21 | WASHER-HARD (20X44.5X6MM THK) | |
| | 21 | 2 | **8C-6913** | 6 | WASHER-HARD (24X41.5X4MM THK) | |
| | 22 | 1 | **8C-8842** | 2 | BOLT (3/4-10X4 IN) | |
| | 23 | 1,3 | **9B-7237** | 3 | BOLT (3/8-16X1.25 IN) | |
| BD | 24 | 3 | **5P-5649** | | SEAL | |
| BD | 25 | 3 | **5P-7513** | | SEAL | |
| BE | 26 | 1 | **7X-7898** | | TRIM | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION

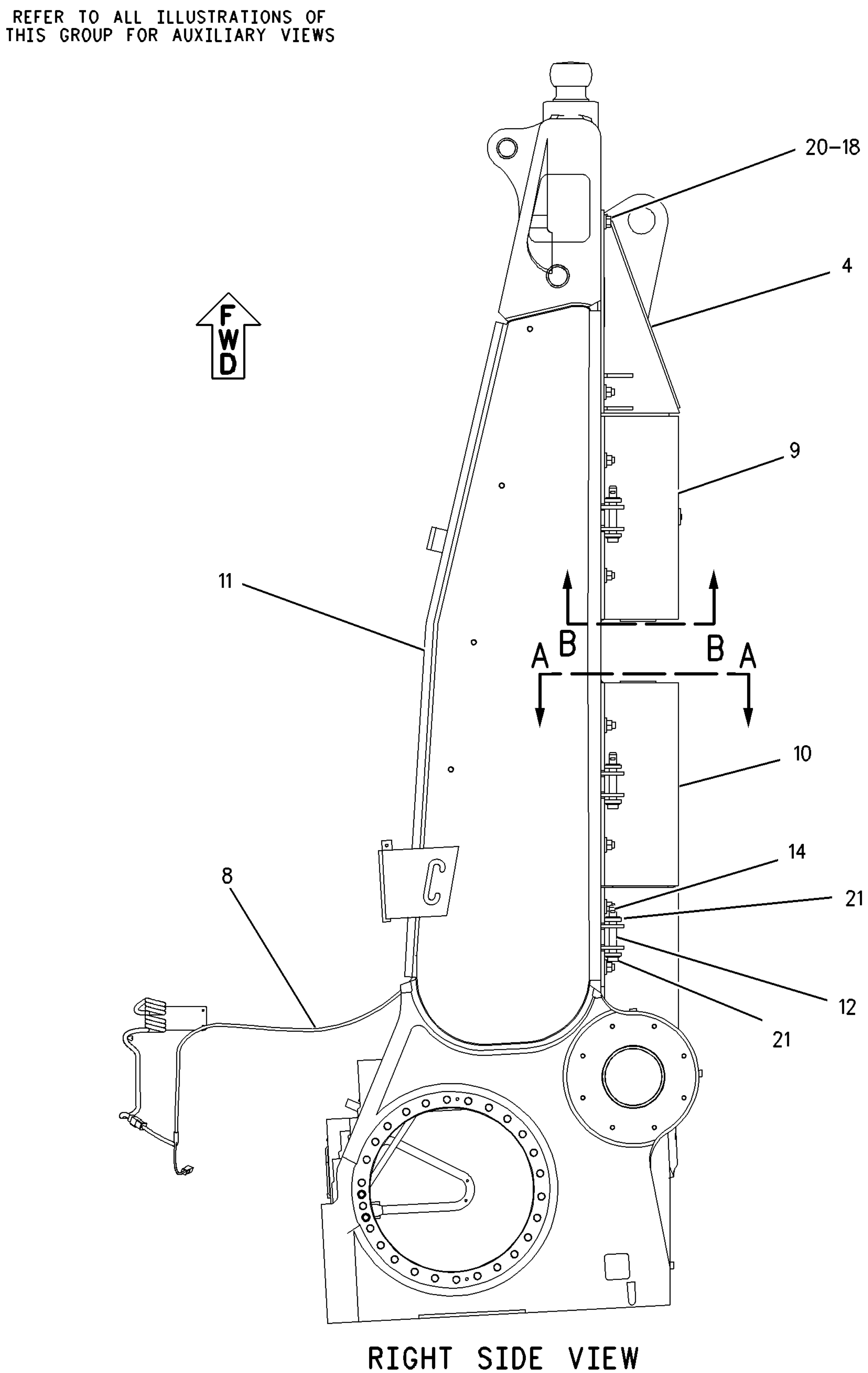
*143-7767* **GUARD AR-BOTTOM** ***(contd.)*** **i01488578**




GRAPHIC #1

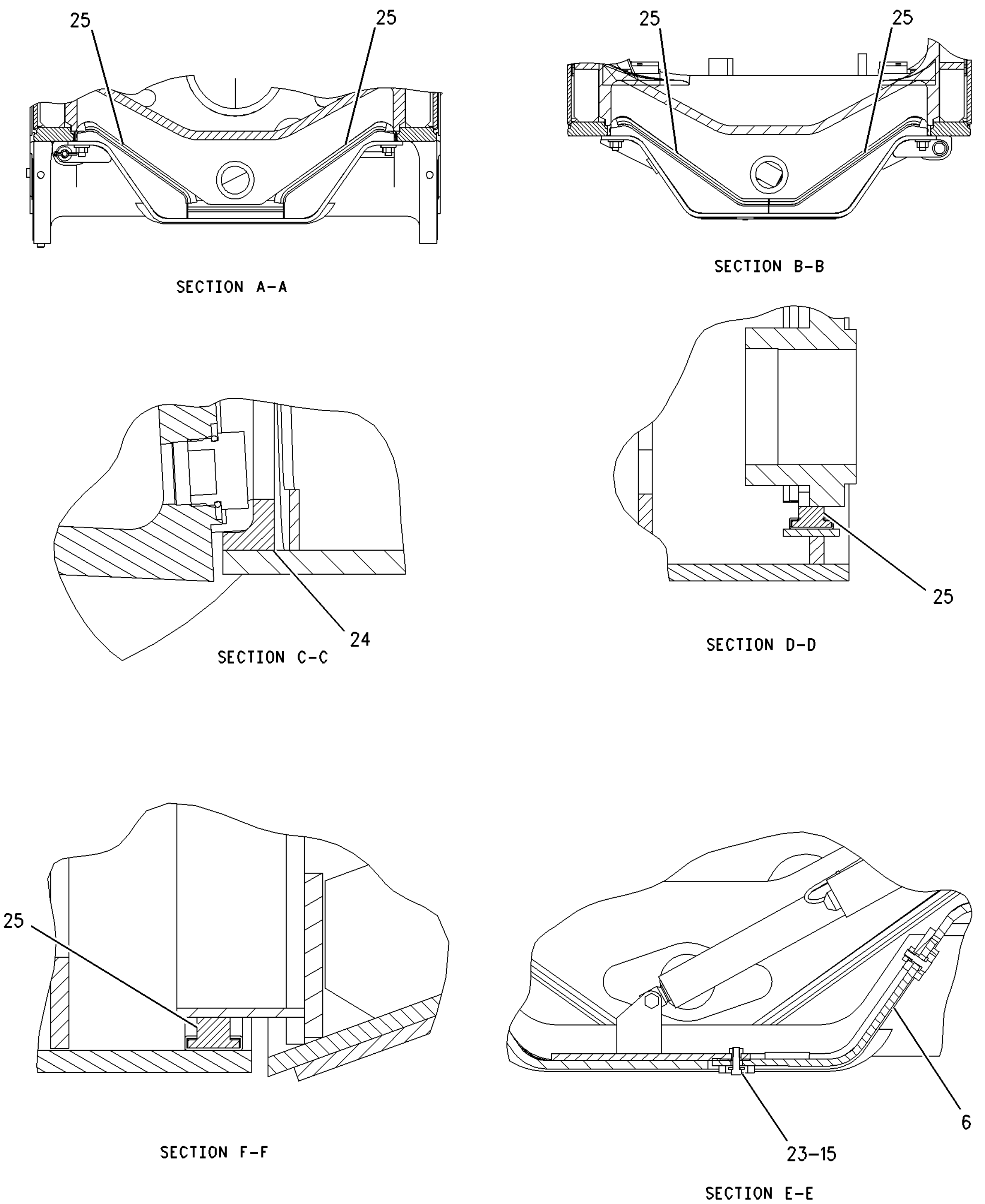
g00741000

*143-7767* **GUARD AR-BOTTOM** ***(contd.)*** **i01488578**




GRAPHIC #2 g00743726

*143-7767* **GUARD AR-BOTTOM** ***(contd.)*** **i01488578**




GRAPHIC #3

g00741002

# *159-8838* GUARD AR-FINAL DRIVE

S/N: AKA1-UP

PART OF 143-7721 DISPOSAL AR-WASTE

SMCS-7172 i01478690

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **159-7941** | 2 | FINAL DRIVE GP | 318 |

Y-SEPARATE ILLUSTRATION

# *166-4427* GUARD AR-IDLER

**S/N: AKA1-UP**

**NON-SUSPENDED**

**PART OF 199-0818 DISPOSAL AR-WASTE**

**SMCS-4159** **i01434407**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **166-4420** | 4 | IDLER GP-TRACK | 488 |

Y-SEPARATE ILLUSTRATION

# *166-4428* GUARD AR-IDLER

**S/N: AKA1-UP**

**SUSPENDED**

**PART OF 143-7721 DISPOSAL AR-WASTE**

**SMCS-4159** **i01241775**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **166-3323** | 2 | IDLER GP-TRACK | 487 |
| Y | **166-4420** | 2 | IDLER GP-TRACK | 488 |

Y-SEPARATE ILLUSTRATION

# MEMORANDA

# *118-7441* GUARD AS-RADIATOR

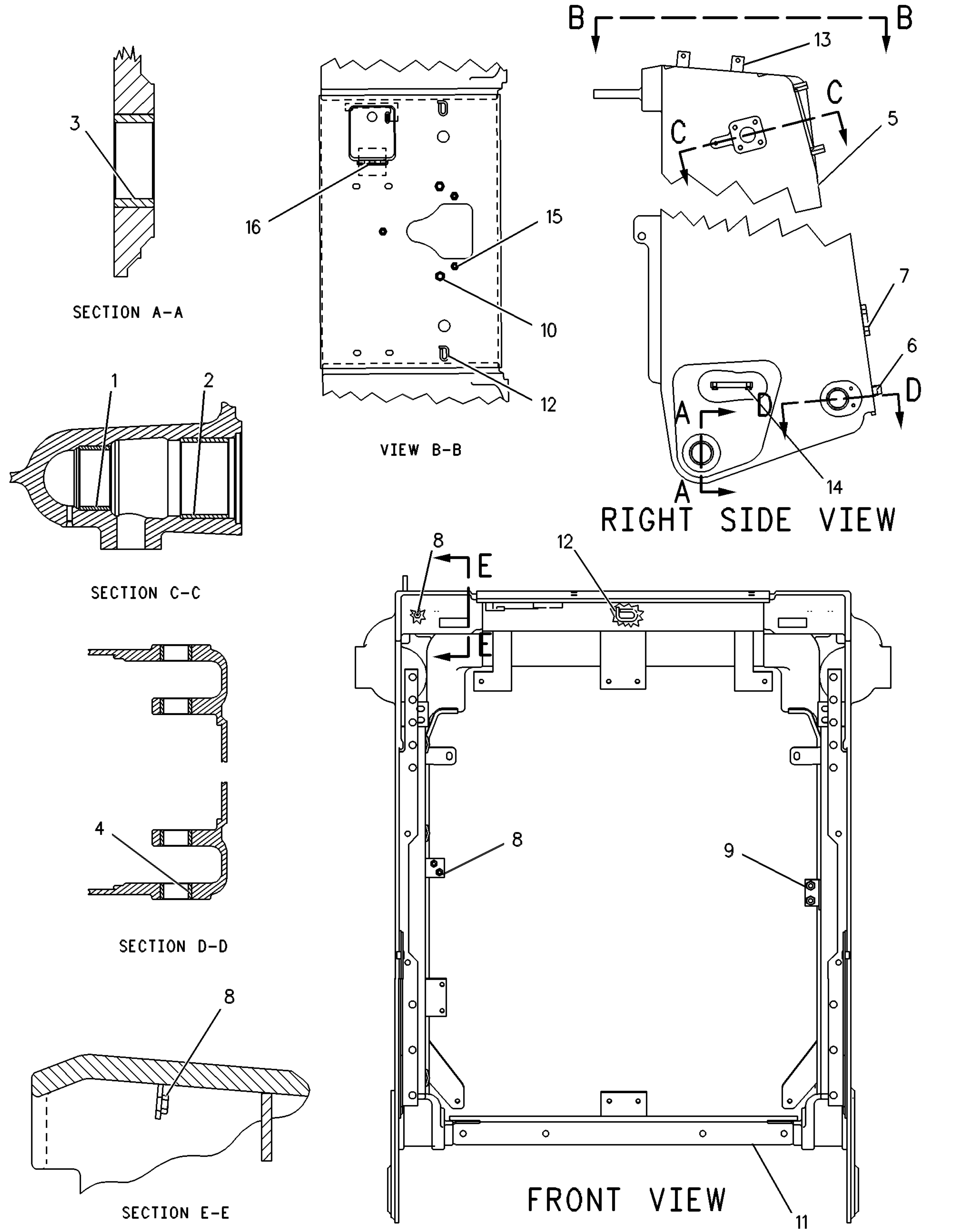
S/N: AKA1-UP

PART OF 143-7722 DISPOSAL AR-WASTE, 143-7740 WOODCHIP AR

SMCS-7155 i01233248

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3J-7189** | 2 | BEARING | |
| | 2 | 1 | **5J-8118** | 2 | BEARING | |
| | 3 | 1 | **6Y-5812** | 2 | BEARING | |
| | 4 | 1 | **9P-1779** | 4 | BEARING-SLEEVE | |
| | 5 | 1 | **120-6537** | 1 | GUARD AS-RADIATOR | |
| | 6 | 1 | **1Q-2980** | 1 | BAR | |
| | 7 | 1 | **109-3873** | 4 | BLOCK | |
| | 8 | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| | 9 | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 10 | 1 | **3J-5169** | 2 | NUT (5/8-11 THD) | |
| | 11 | 1 | **3T-6034** | 1 | PLATE | |
| | 12 | 1 | **7T-1099** | 5 | LINK | |
| | 13 | 1 | **8G-0794** | 2 | BAR | |
| | 14 | 1 | **8T-5911** | 4 | NUT-WELD (1/2-13 THD) | |
| | 15 | 1 | **8T-5912** | 3 | NUT-WELD (3/8-16 THD) | |
| | 16 | 1 | **9B-2052** | 1 | HINGE | |

*118-7441* **GUARD AS-RADIATOR** ***(contd.)*** **i01233248**




GRAPHIC #1 g00296582

# *159-3878* GUARD GP-BOTTOM

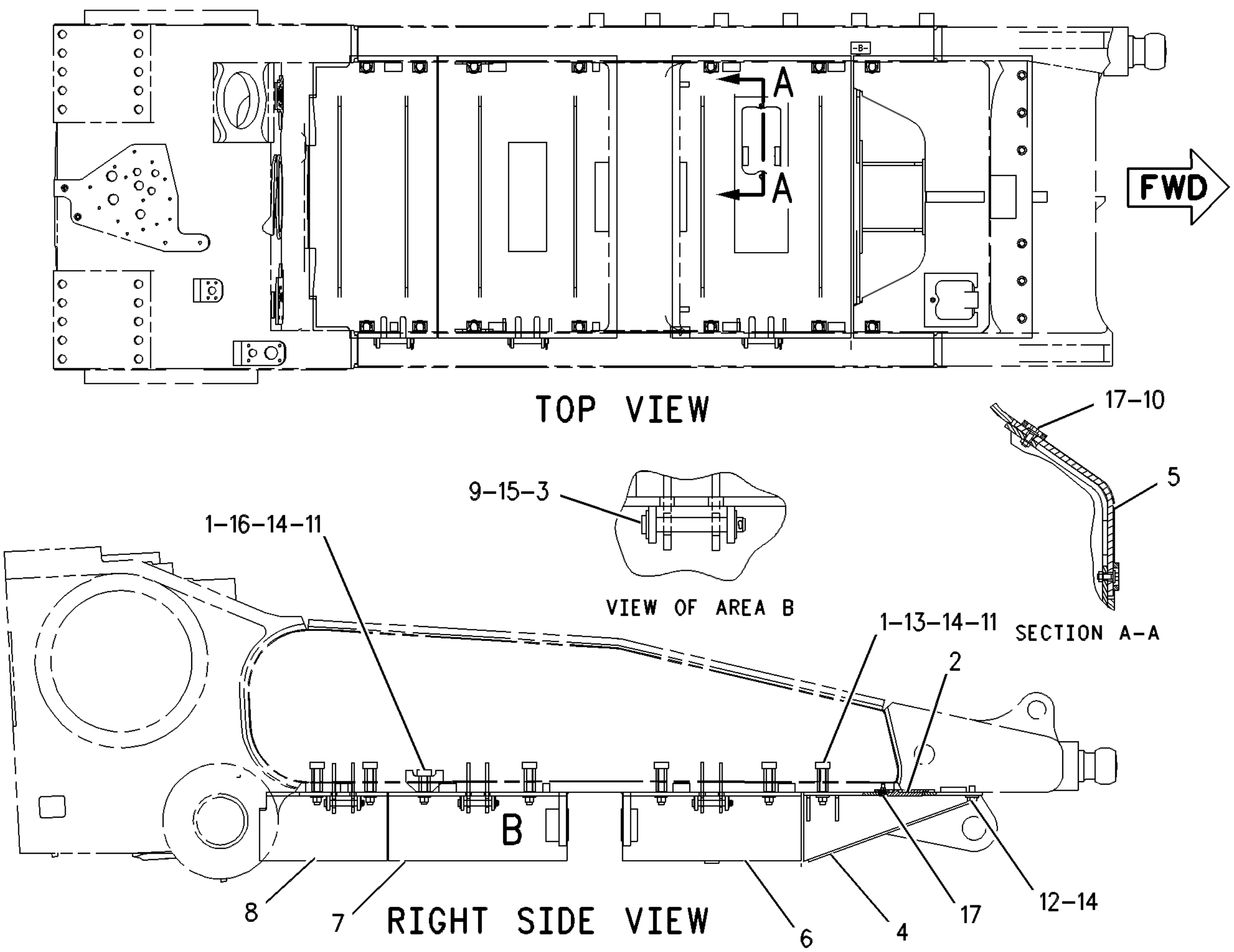
S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

SMCS-7153 i01219410

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3T-2747** | 14 | RETAINER | |
| | 2 | 1 | **7G-6495** | 1 | COVER | |
| | 3 | 1 | **7J-0252** | 3 | PIN | |
| | 4 | 1 | **7T-4000** | 1 | GUARD AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **3T-9310** | 1 | PLATE | |
| | 5 | 1 | **107-6174** | 1 | COVER AS | |
| | 6 | 1 | **159-3879** | 1 | GUARD AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **159-3880** | 1 | GUARD AS | |
| | 8 | 1 | **159-3881** | 1 | GUARD AS | |
| | 9 | 1 | **3B-4629** | 3 | PIN-COTTER | |
| | 10 | 1 | **5P-1075** | 2 | WASHER-HARD (3MM THK) | |
| | 11 | 1 | **6V-8182** | 4 | NUT (3/4-10 THD) | |
| | 12 | 1 | **7X-0365** | 6 | BOLT (3/4-10X1.50IN) | |
| | 13 | 1 | **8T-8925** | 12 | BOLT (3/4-10X4.75IN) | |
| | 14 | 1 | **7X-0582** | 20 | WASHER-HARD (6MM THK) | |
| | 15 | 1 | **7X-0594** | 6 | WASHER-HARD (3MM THK) | |
| | 16 | 1 | **8C-8842** | 2 | BOLT (3/4-10X4.0IN) | |
| | 17 | 1 | **9B-7237** | 3 | BOLT (3/8-16X1.25IN) | |

*159-3878* **GUARD GP-BOTTOM** ***(contd.)*** **i01219410**




GRAPHIC #1

g00495195

# *159-5984* GUARD GP-BOTTOM

**S/N: AKA1-UP**

**HEAVY DUTY**

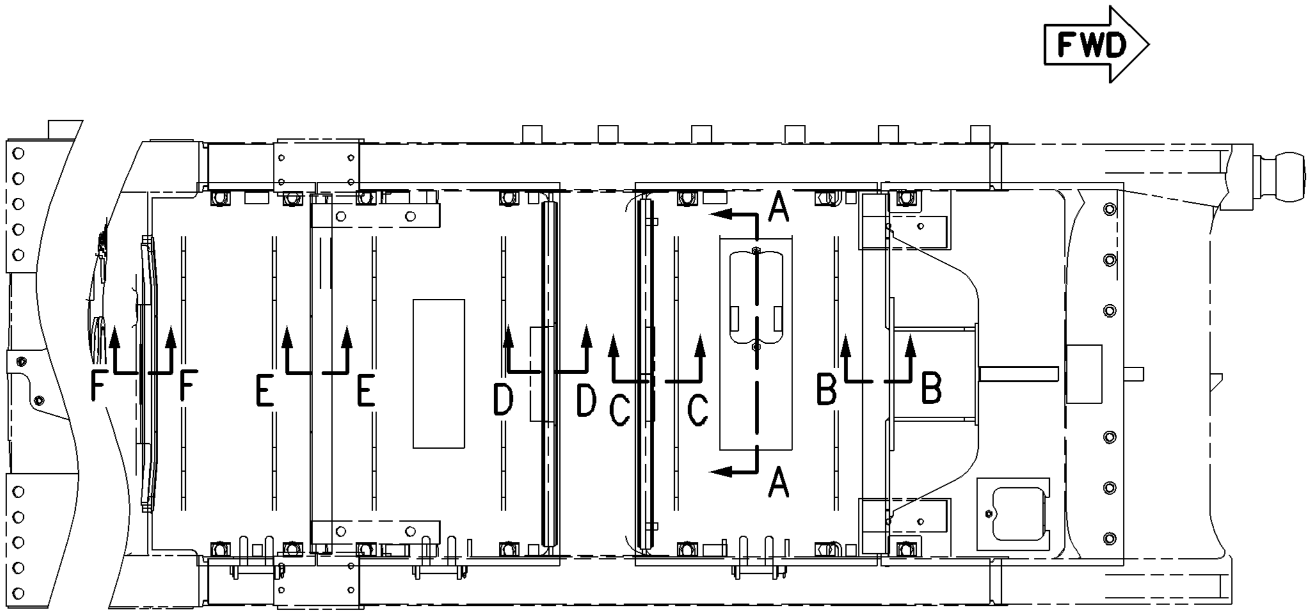
**PART OF 143-7722 DISPOSAL AR-WASTE**

**SMCS-7153** **i01223776**

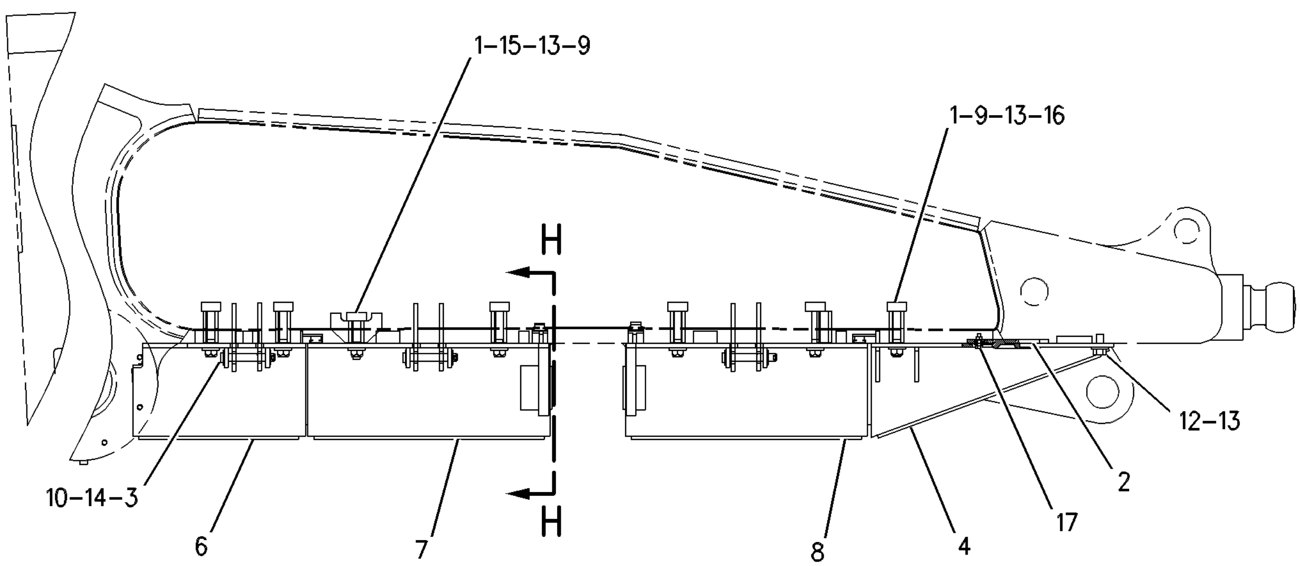
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3T-2747** | 14 | RETAINER | |
| | 2 | 1 | **7G-6495** | 1 | COVER | |
| | 3 | 1 | **7J-0252** | 3 | PIN | |
| | 4 | 1 | **9W-1085** | 1 | GUARD AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 5 | 2 | **107-6174** | 1 | COVER AS | |
| | 6 | 1 | **159-5977** | 1 | GUARD AS | |
| | 7 | 1 | **159-5978** | 1 | GUARD AS | |
| | 8 | 1 | **159-5979** | 1 | GUARD AS | |
| | | 1 | **8T-5912** | 2 | NUT-WELD (3/8-16 THD) | |
| | 9 | 1 | **1K-6870** | 14 | LOCKNUT (3/4-10 THD) | |
| | 10 | 1 | **3B-4629** | 3 | PIN-COTTER | |
| | 11 | 2 | **5P-1075** | 2 | WASHER-HARD (3MM THK) | |
| | 12 | 1 | **7X-0365** | 6 | BOLT (3/4-10X1.50IN) | |
| | 13 | 1 | **7X-0582** | 20 | WASHER-HARD (6MM THK) | |
| | 14 | 1 | **7X-0594** | 6 | WASHER-HARD (3MM THK) | |
| | 15 | 1 | **8C-8842** | 2 | BOLT (3/4-10X4.0IN) | |
| | 16 | 1 | **8T-8925** | 12 | BOLT (3/4-10X4.75IN) | |
| | 17 | 1,2 | **9B-7237** | 3 | BOLT (3/8-16X1.25IN) | |
| BD | 18 | 2 | **5P-5649** | | SEAL | |
| D | 19 | 2 | **5P-7513** | 2 | SEAL (.44M EACH) | |
| D | 20 | 2 | **5P-7513** | | SEAL (1.17M) | |
| D | 21 | 2 | **5P-7513** | 2 | SEAL (.86M EACH) | |
| D | 22 | 2 | **5P-7513** | | SEAL (.28M) | |
| D | 23 | 2 | **5P-7513** | | SEAL (1.17M) | |

B-USE AS REQUIRED
D-ORDER BY THE METER

*159-5984* **GUARD GP-BOTTOM** ***(contd.)*** **i01223776**




TOP VIEW



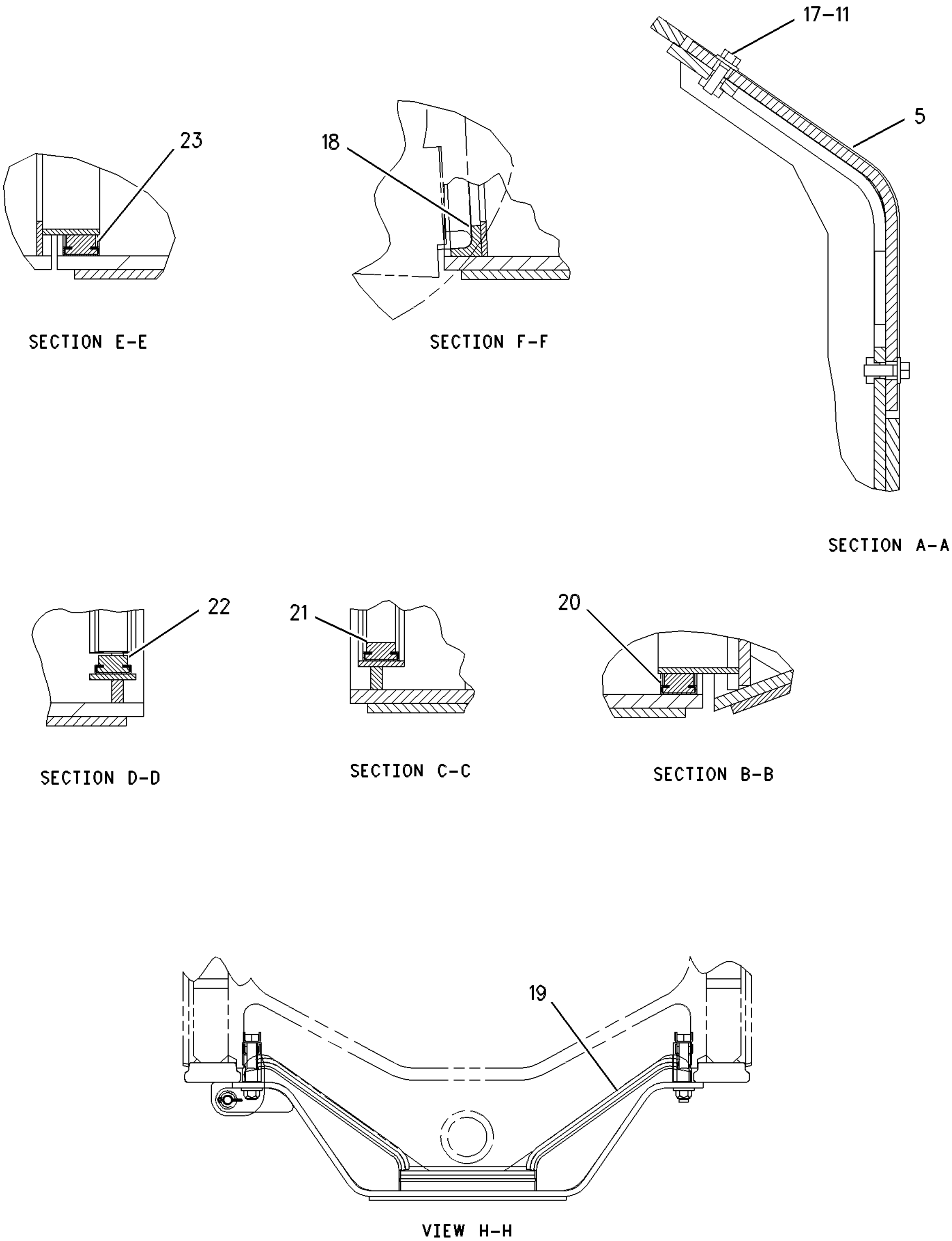

RIGHT SIDE VIEW

REFER TO ALL ILLUSTRATIONS OF
THIS GROUP FOR AUXILIARY VIEWS

GRAPHIC #1

g00602780

*159-5984* **GUARD GP-BOTTOM** ***(contd.)*** **i01223776**




GRAPHIC #2

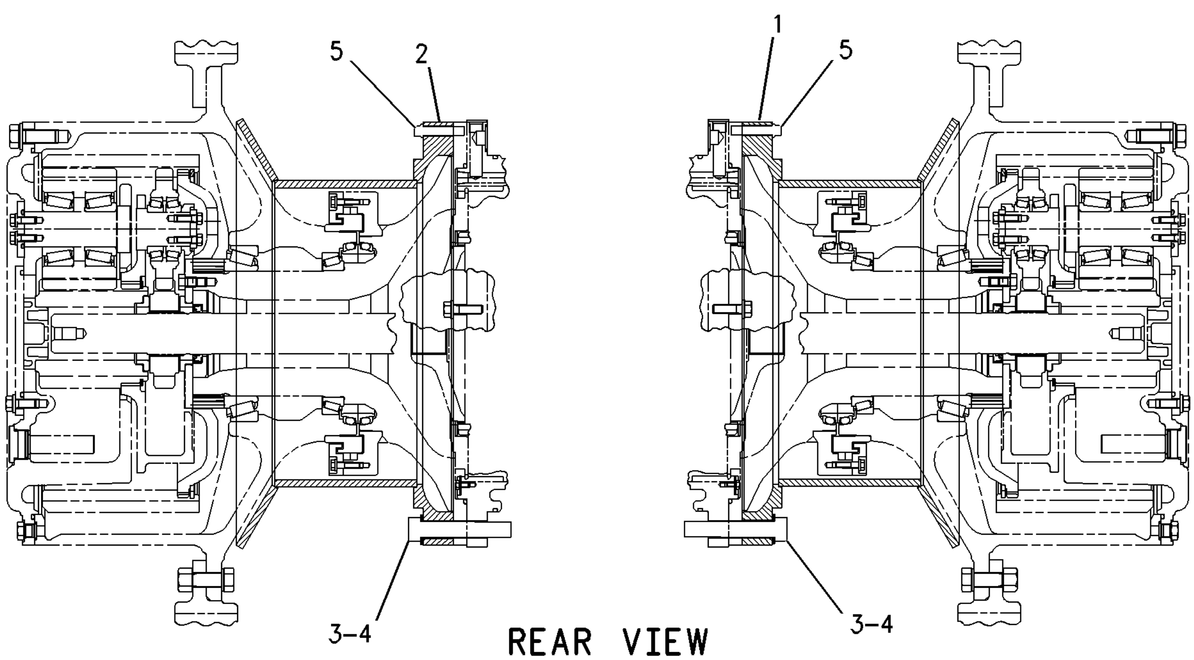
g00602783

# 138-3143 GUARD GP-FINAL DRIVE

S/N: AKA1-UP

SMCS-7172 i01488440

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **137-4485** | 2 | TUBE AS | |
| | 2 | 1 | **137-4486** | 2 | TUBE AS | |
| | 3 | 1 | **9S-1351** | 52 | BOLT (7/8-9X5 IN) | |
| | 4 | 1 | **5P-8249** | 52 | WASHER-HARD (24X41.5X4MM THK) | |
| | 5 | 1 | **6J-2515** | 8 | BOLT-12 POINT HEAD | |




GRAPHIC #1 g00697485

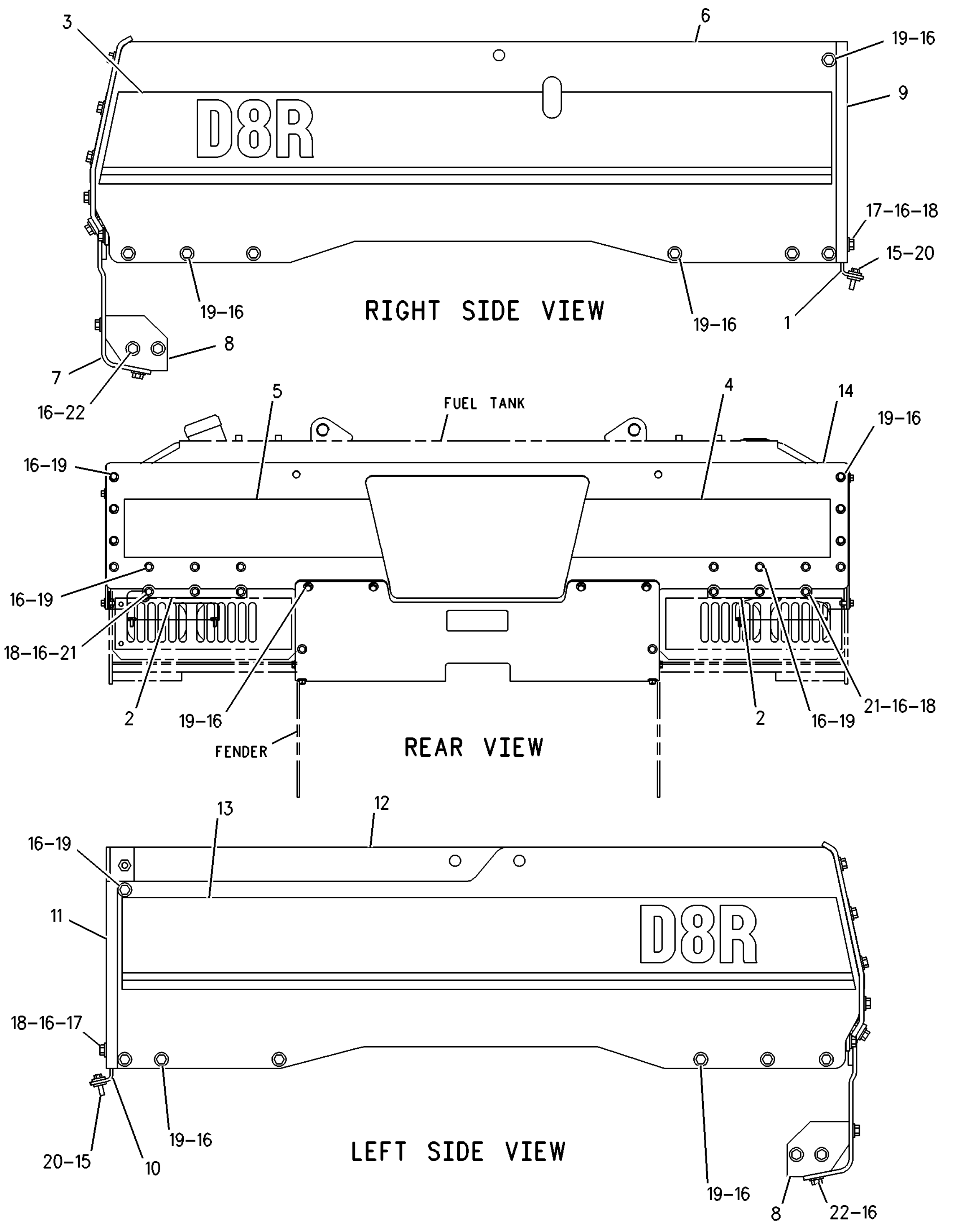
## *164-7867* GUARD GP-FUEL TANK

**S/N: AKA1-UP**

**SMCS-1273** **i01489013**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-4520** | 1 | BRACKET | |
| | 2 | 1 | **8E-3013** | 2 | PLATE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **8T-5911** | 3 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **8V-2640** | 3 | SPACER | |
| | 3 | 1 | **198-8998** | 1 | FILM (RH SIDE)(D8R) | |
| | 4 | 1 | **123-5869** | 1 | FILM-STRIPE (REAR)(RH SIDE) | |
| | 5 | 1 | **123-5870** | 1 | FILM-STRIPE (REAR)(LH SIDE) | |
| | 6 | 1 | **164-9325** | 1 | GUARD AS-RH | |
| | 7 | 1 | **165-0117** | 1 | GUARD | |
| | 8 | 1 | **165-0121** | 2 | BLOCK | |
| | 9 | 1 | **165-1675** | 1 | PLATE AS | |
| | | 1 | **8T-5911** | 2 | NUT-WELD (1/2-13 THD) | |
| | 10 | 1 | **190-0085** | 1 | BRACKET | |
| | 11 | 1 | **190-0089** | 1 | PLATE AS | |
| | | 1 | **8T-5911** | 2 | NUT-WELD (1/2-13 THD) | |
| | 12 | 1 | **190-1686** | 1 | GUARD AS-LH | |
| | 13 | 1 | **198-8999** | 1 | FILM (LH SIDE)(D8R) | |
| | 14 | 1 | **199-4068** | 1 | GUARD AS-REAR | |
| | | 1 | **8T-5911** | 4 | NUT-WELD (1/2-13 THD) | |
| | 15 | 1 | **4L-9337** | 4 | BOLT (3/8-16X1.5 IN) | |
| | 16 | 1 | **5P-1076** | 56 | WASHER-HARD (13.5X30X4MM THK) | |
| | 17 | 1 | **5P-2566** | 2 | BOLT (1/2-13X1.5 IN) | |
| | 18 | 1 | **6V-8188** | 8 | NUT (1/2-13 THD) | |
| | 19 | 1 | **8C-4436** | 32 | BOLT (1/2-13X1.375 IN) | |
| | 20 | 1 | **8T-2561** | 8 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 21 | 1 | **8T-4835** | 6 | BOLT (1/2-13X2 IN) | |
| | 22 | 1 | **8T-8917** | 8 | BOLT (1/2-13X1.25 IN) | |

*164-7867* **GUARD GP-FUEL TANK** ***(contd.)*** **i01489013**




GRAPHIC #1 g00758277

# FRAME AND BODY

## *164-8389* GUARD GP-FUEL TANK

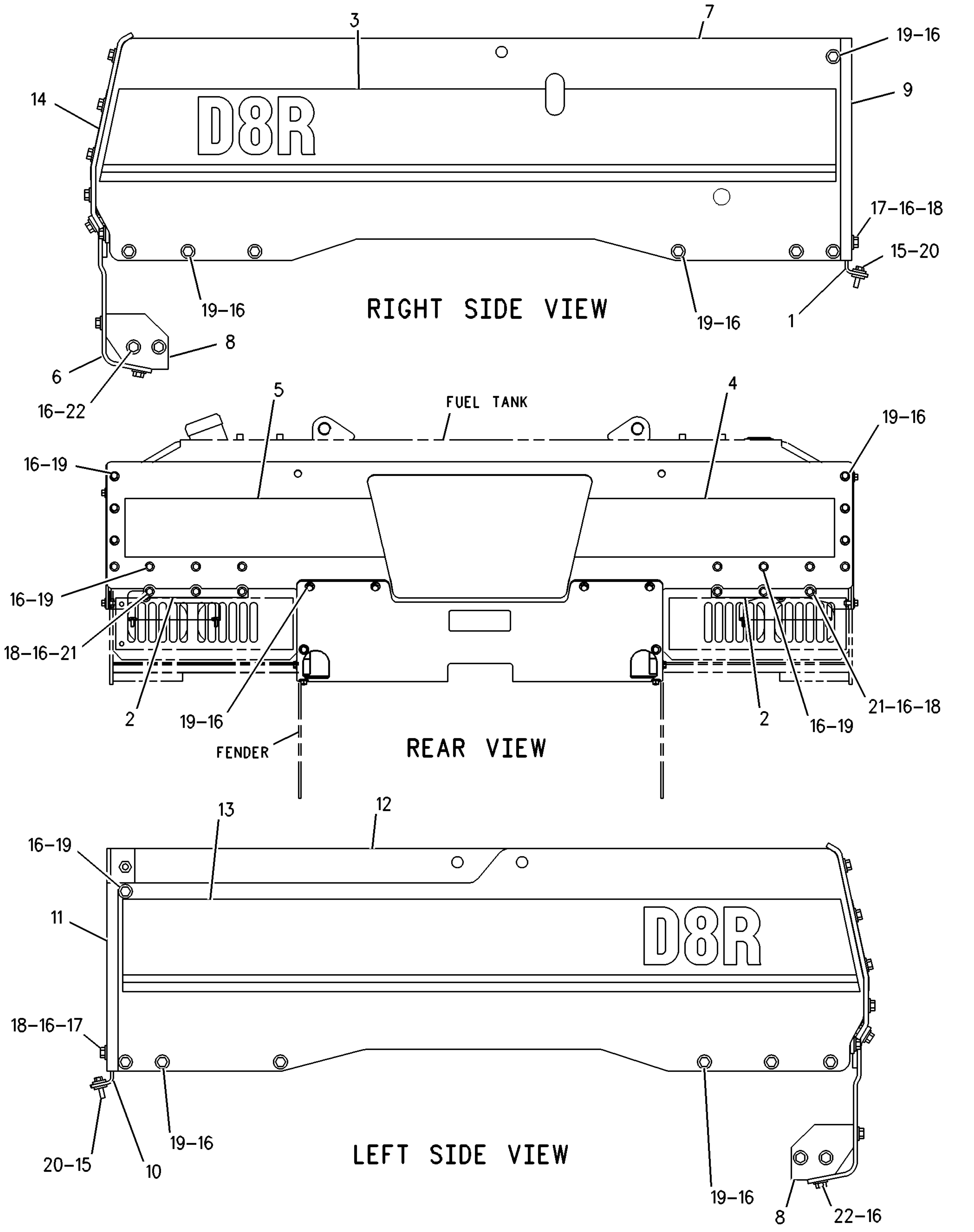
**S/N: AKA1-UP**

**WITH RIPPER**

**SMCS-1273** **i01489017**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-4520** | 1 | BRACKET | |
| | 2 | 1 | **8E-3013** | 2 | PLATE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **8T-5911** | 3 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **8V-2640** | 3 | SPACER | |
| | 3 | 1 | **198-8998** | 1 | FILM (RH SIDE)(D8R) | |
| | 4 | 1 | **123-5869** | 1 | FILM-STRIPE (REAR)(RH SIDE) | |
| | 5 | 1 | **123-5870** | 1 | FILM-STRIPE (REAR)(LH SIDE) | |
| | 6 | 1 | **164-7868** | 1 | GUARD | |
| | 7 | 1 | **164-9325** | 1 | GUARD AS-RH | |
| | 8 | 1 | **165-0121** | 2 | BLOCK | |
| | 9 | 1 | **165-1675** | 1 | PLATE AS | |
| | | 1 | **8T-5911** | 2 | NUT-WELD (1/2-13 THD) | |
| | 10 | 1 | **190-0085** | 1 | BRACKET | |
| | 11 | 1 | **190-0089** | 1 | PLATE AS | |
| | 12 | 1 | **190-1686** | 1 | GUARD AS-LH | |
| | 13 | 1 | **198-8999** | 1 | FILM (LH SIDE)(D8R) | |
| | 14 | 1 | **199-4068** | 1 | GUARD AS-REAR | |
| | | 1 | **8T-5911** | 4 | NUT-WELD (1/2-13 THD) | |
| | 15 | 1 | **4L-9337** | 4 | BOLT (3/8-16X1.5 IN) | |
| | 16 | 1 | **5P-1076** | 56 | WASHER-HARD (13.5X30X4MM THK) | |
| | 17 | 1 | **5P-2566** | 2 | BOLT (1/2-13X1.5 IN) | |
| | 18 | 1 | **6V-8188** | 8 | NUT (1/2-13 THD) | |
| | 19 | 1 | **8C-4436** | 32 | BOLT (1/2-13X1.375 IN) | |
| | 20 | 1 | **8T-2561** | 8 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 21 | 1 | **8T-4835** | 6 | BOLT (1/2-13X2 IN) | |
| | 22 | 1 | **8T-8917** | 8 | BOLT (1/2-13X1.25 IN) | |

*164-8389* **GUARD GP-FUEL TANK** ***(contd.)*** **i01489017**




GRAPHIC #1

g00758319

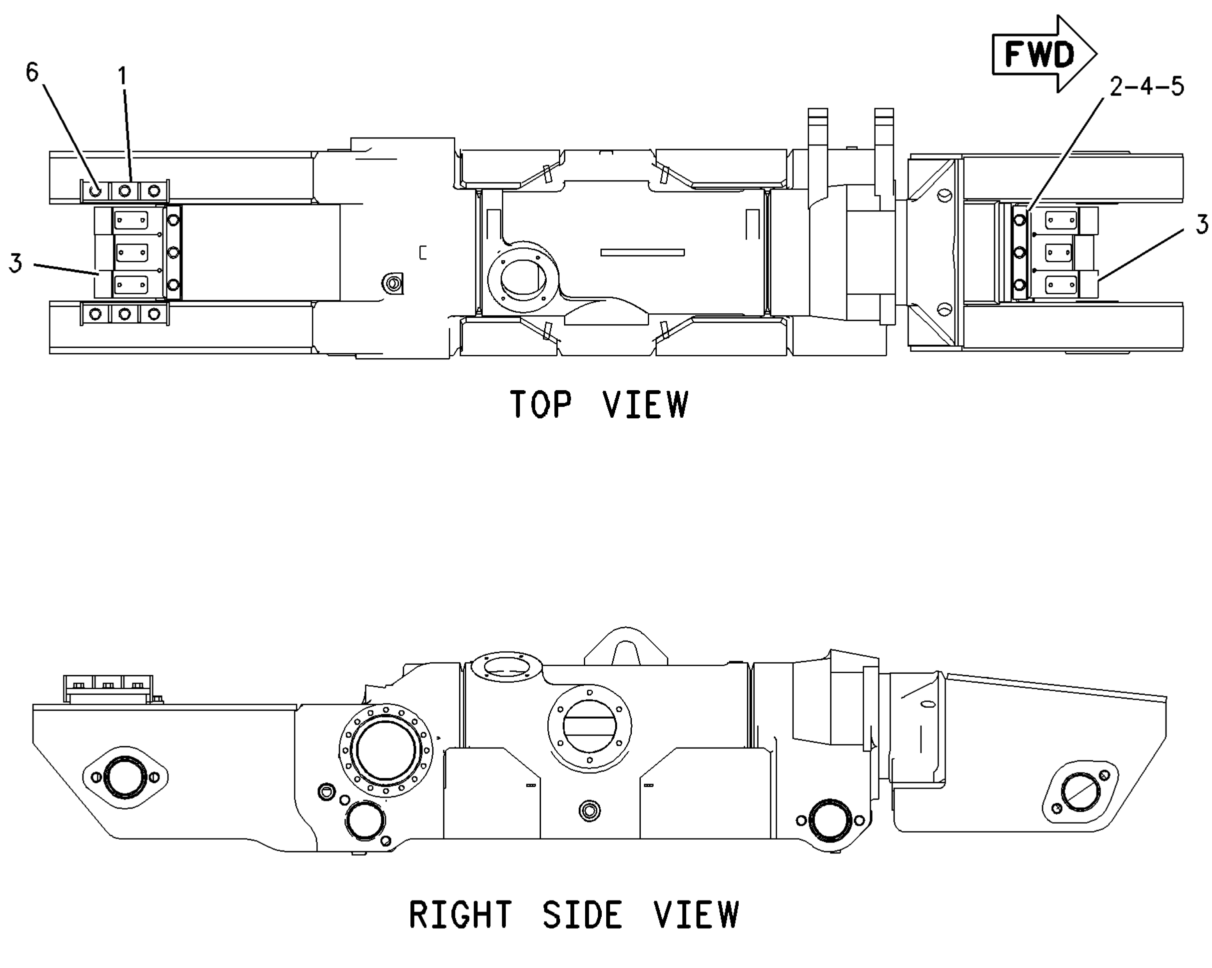
## *156-5700* GUARD GP-IDLER

**S/N: AKA1-UP**

**CANNOT BE USED WITH STANDARD TRACK ROLLER FRAME AS.**

**SMCS-4159** **i01488609**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **155-2742** | 4 | GUARD AS | |
| | 2 | 1 | **155-2754** | 4 | PLATE | |
| | 3 | 1 | **163-2415** | 4 | GUARD AS | |
| | 4 | 1 | **8T-6871** | 12 | BOLT (5/8-11X2.50 IN) | |
| | 5 | 1 | **8T-4122** | 24 | WASHER-HARD (17X32X3.5MM THK) | |
| | 6 | 1 | **7X-0345** | 12 | BOLT (5/8-11X1.75 IN) | |




GRAPHIC #1 g00763669

# MEMORANDA

# *105-9803* GUARD GP-RADIATOR

**S/N: AKA1-UP**

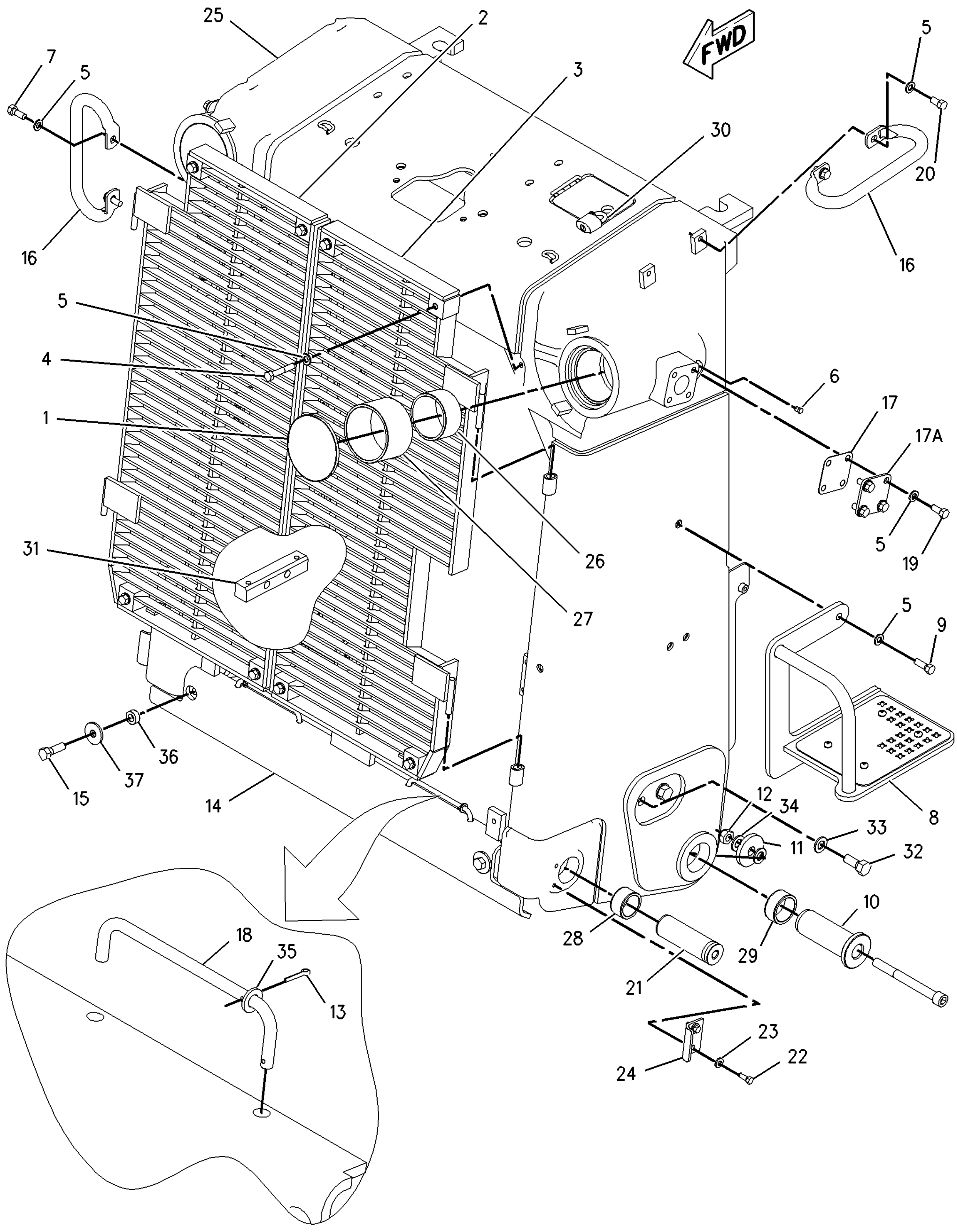
**PART OF 157-0819 CHASSIS AR**

**SMCS-7155** **i01502165**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2B-0176** | 2 | CAP | |
| | 2 | 1 | **108-4211** | 1 | DOOR AS-RH | |
| | 3 | 1 | **108-4210** | 1 | DOOR AS-LH | |
| | | | | | (EACH DOOR AS INCLUDES) | |
| | | 1 | **4J-6727** | 1 | PLATE | |
| | 4 | 1 | **8T-9389** | 8 | BOLT (1/2-13X2.75 IN) | |
| | 5 | 1 | **8T-4223** | 23 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 6 | 1 | **5M-6214** | 2 | PLUG-PIPE | |
| | 7 | 1 | **8T-8917** | 2 | BOLT (1/2-13X1.25 IN) | |
| Y | 8 | 1 | *124-7562* | 1 | STEP GP | 457 |
| | 9 | 1 | **5P-2566** | 3 | BOLT (1/2-13X1.5 IN) | |
| | 10 | 1 | **9N-4622** | 2 | PIN | |
| | 11 | 1 | **165-8084** | 2 | WASHER (20.5X75X10MM THK) | |
| | 12 | 1 | **1K-6870** | 2 | LOCKNUT | |
| | | 1 | **165-7637** | 2 | BOLT-SOCKET HEAD (3/4-10X7.5 IN) | |
| | 13 | 1 | **3B-4615** | 4 | PIN-COTTER | |
| | 14 | 1 | **197-3604** | 1 | PLATE AS | |
| | 15 | 1 | **7X-0346** | 2 | BOLT (5/8-11X2 IN) | |
| | 16 | 1 | **3W-3896** | 2 | HANDHOLD | |
| | 17 | 1 | **5G-9974** | 2 | GASKET | |
| | 17A | 1 | **5G-9973** | 2 | COVER | |
| | 18 | 1 | **9W-2822** | 2 | ROD | |
| | 19 | 1 | **5C-6565** | 8 | BOLT (1/2-13X1.25 IN) | |
| | 20 | 1 | **5P-2228** | 2 | BOLT (1/2-13X1 IN) | |
| | 21 | 1 | **9U-9229** | 2 | PIN | |
| | 22 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 23 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 24 | 1 | **178-7517** | 2 | PLATE | |
| | 25 | 1 | **108-4217** | 1 | GUARD AS | |
| | | 1 | **8F-9836** | 1 | BOSS-THREADED (3/8-16X19MM THD) | |
| | | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **3J-5169** | 2 | NUT (5/8-11 THD) | |
| | | 1 | **7T-1099** | 3 | LINK | |
| | | 1 | **8G-0794** | 2 | BAR | |
| | | 1 | **8T-5911** | 15 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **8T-5912** | 10 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **9B-2052** | 1 | HINGE | |
| | 26 | 1 | **3J-7189** | 2 | BEARING-SLEEVE | |
| | 27 | 1 | **5J-8118** | 2 | BEARING-SLEEVE | |
| | 28 | 1 | **9P-1779** | 4 | BEARING-SLEEVE | |
| | 29 | 1 | **6Y-5812** | 2 | BEARING-SLEEVE | |
| | 30 | 1 | **5P-8502** | 1 | PADLOCK GP | |
| A | | 1 | **5P-8500** | 1 | KEY | |
| A | | 1 | **8Y-6364** | 1 | SLEEVE | |
| | 31 | 1 | **158-0518** | 2 | PLATE | |
| | 32 | 1 | **1A-0458** | 4 | BOLT (3/4-10X1.75IN) | |
| | 33 | 1 | **5P-8248** | 4 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 34 | 1 | **8T-4994** | 4 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 35 | 1 | **8T-4121** | 4 | WASHER-HARD (11X21X2.5MM THK) | |
| | 36 | 1 | **194-6030** | 2 | SPACER (17X30X12MM THK) | |
| | 37 | 1 | **3V-9244** | 2 | WASHER (16.5X50X5MM THK) | |

A-NOT PART OF THIS GROUP
Y-SEPARATE ILLUSTRATION

*105-9803* **GUARD GP-RADIATOR** ***(contd.)*** **i01502165**




GRAPHIC #1

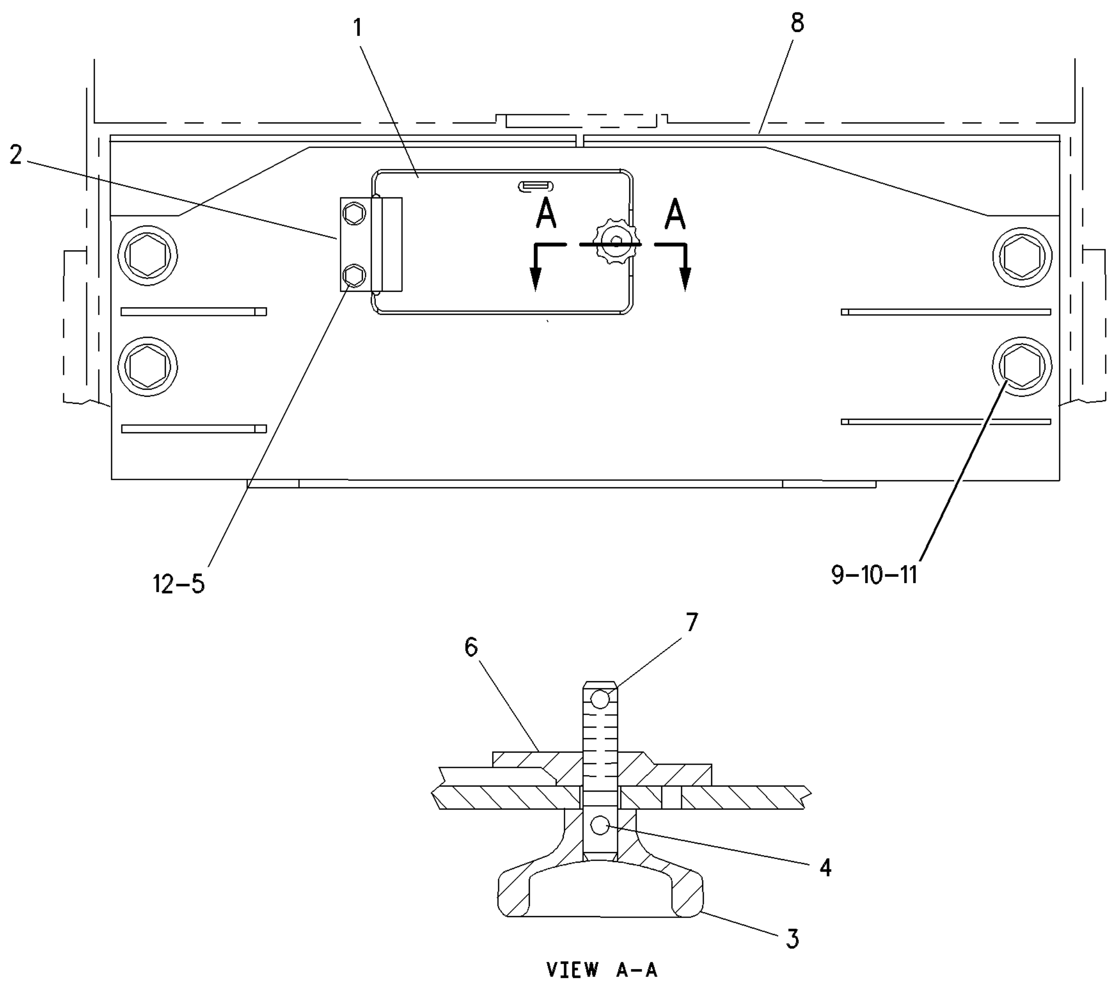
g00771584

## *7T-5611* GUARD GP-REAR

S/N: AKA1-UP

SMCS-7187 i01459911

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-5156** | 1 | DOOR AS | |
| | 2 | 1 | **7P-7427** | 1 | HINGE | |
| | 3 | 1 | **7T-5067** | 1 | KNOB AS | |
| | 4 | 1 | **3H-6660** | 1 | PIN-SPRING | |
| | 5 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 6 | 1 | **9S-8230** | 1 | PLATE AS | |
| | 7 | 1 | **4H-1641** | 1 | PIN-SPRING | |
| | 8 | 1 | **7T-5159** | 1 | GUARD AS | |
| | 9 | 1 | **7X-0427** | 4 | BOLT (1-1/4-7X3.50 IN) | |
| | 10 | 1 | **7X-0533** | 4 | WASHER-HARD (34X55X6MM THK) | |
| | 11 | 1 | **7T-5147** | 4 | SPACER | |
| | 12 | 1 | **5P-2228** | 2 | BOLT (1/2-13X1 IN) | |




GRAPHIC #1 g00656062

# *1Z-0746* GUARD GP-SEAL

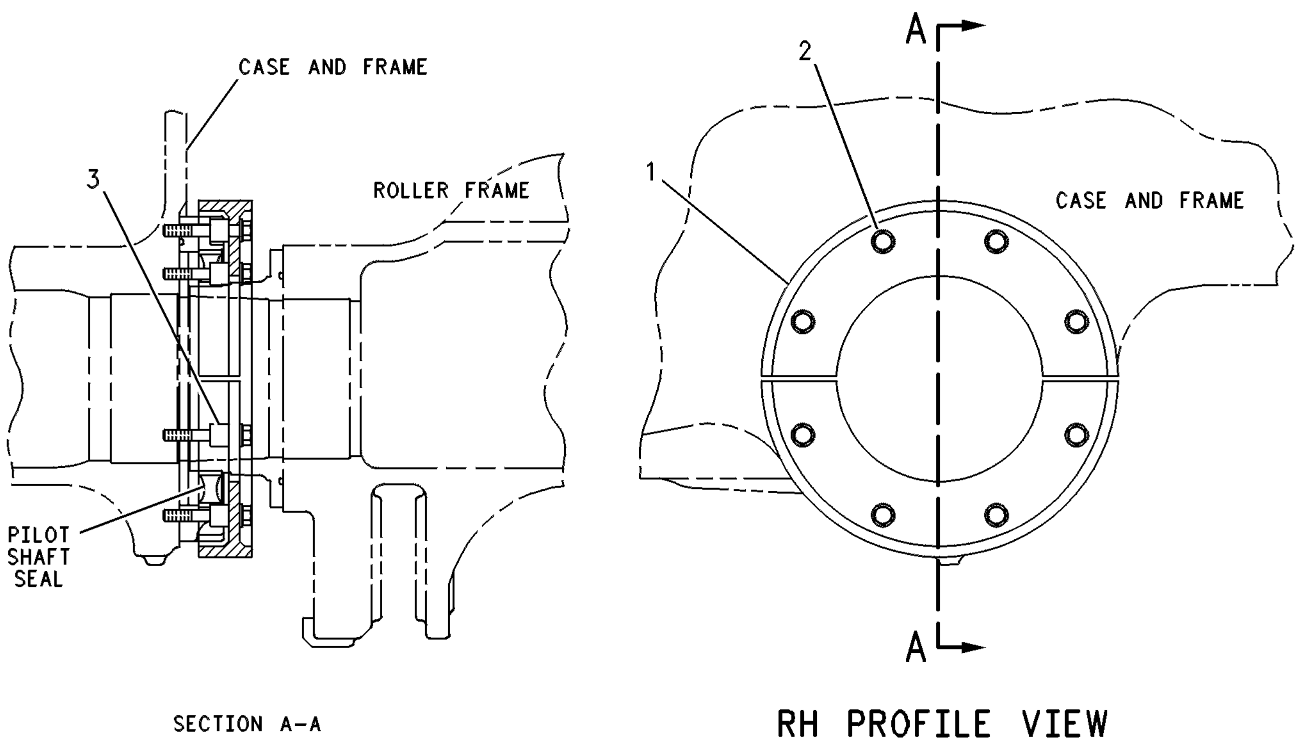
S/N: AKA1-UP

PIVOT SHAFT

PART OF 143-7722 DISPOSAL AR-WASTE

SMCS-7150 i01223692

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Q-3302** | 4 | GUARD AS | |
| | 2 | 1 | **7X-0328** | 16 | BOLT (1/2-13X3.50IN) | |
| | | 1 | **8T-4223** | 16 | WASHER-HARD (3MM THK) | |
| | 3 | 1 | **7V-0762** | 16 | SPACER | |



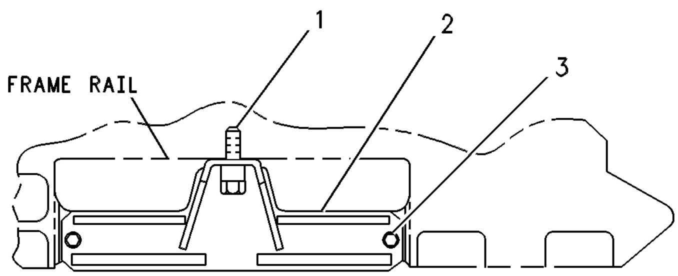

GRAPHIC #1 g00246469

## *6Y-4005* GUARD GP-TRACK ROLLER

S/N: AKA1-UP

SMCS-7152 i01478832

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7X-0383** | 16 | BOLT (7/8-9X2.75IN) | |
| | | 1 | **3P-8283** | 16 | SPACER | |
| | 2 | 1 | **6Y-4006** | 16 | GUARD AS | |
| | 3 | 1 | **8C-4436** | 32 | BOLT (1/2-13X1.375 IN) | |
| | | 1 | **8T-4223** | 32 | WASHER-HARD (13.5X25.5X3MM THK) | |




GRAPHIC #1 g00254951

# MEMORANDA

# FRAME AND BODY

## *157-0264* HOOD & GUARD GP

**S/N: AKA1-UP**

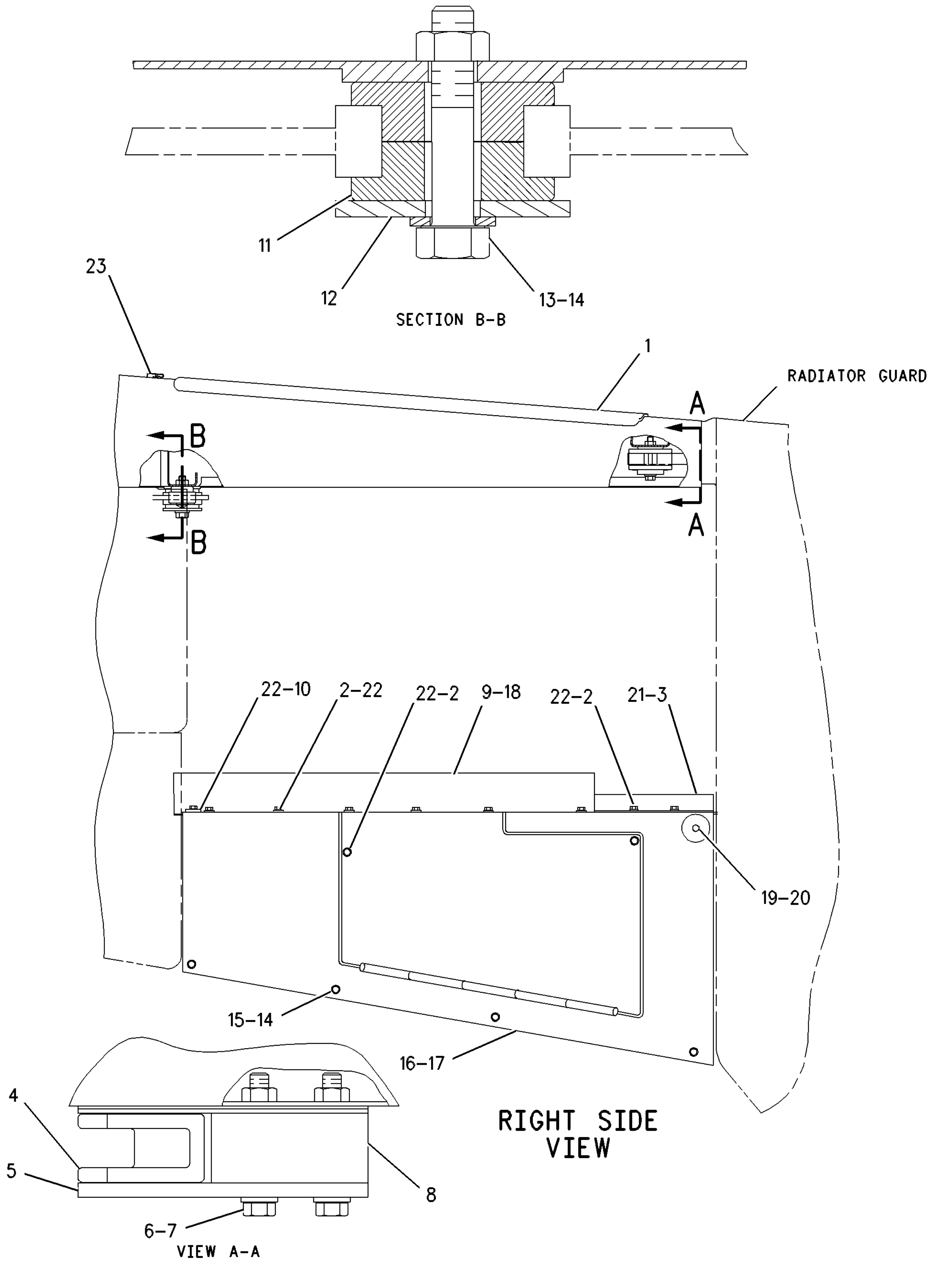
**PART OF 157-0819 CHASSIS AR**

**SMCS-7251** **i01434569**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **160-2416** | 1 | HOOD AS | |
| | | 1 | **1F-0748** | 7 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **3J-5169** | 1 | NUT (5/8-11 THD) | |
| | 2 | 1 | **5P-1075** | 20 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 3 | 1 | **114-2538** | 1 | PLATE-LH | |
| | 4 | 1 | **6T-9927** | 2 | SLIDE | |
| | 5 | 1 | **6T-9929** | 2 | PLATE | |
| | 6 | 1 | **7X-0328** | 4 | BOLT (1/2-13X3.50 IN) | |
| | 7 | 1 | **5P-1076** | 4 | WASHER-HARD (13.5X30X4MM THK) | |
| | 8 | 1 | **6T-9928** | 2 | PLATE | |
| | 9 | 1 | **164-5963** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 10 | 1 | **8T-4897** | 4 | WASHER (10.2X35X6MM THK) | |
| | 11 | 1 | **9P-3066** | 2 | MOUNTING | |
| | 12 | 1 | **6P-8269** | 1 | WASHER (20.5X88X6MM THK) | |
| | 13 | 1 | **8T-9396** | 1 | BOLT (5/8-11X3.25 IN) | |
| | 14 | 1 | **7X-0515** | 9 | WASHER-HARD (17X35X5MM THK) | |
| | 15 | 1 | **7X-0344** | 8 | BOLT (5/8-11X1.375 IN) | |
| | 16 | 1 | **160-2418** | 1 | PLATE AS-RH | |
| | | 1 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | 17 | 1 | **160-2419** | 1 | PLATE AS-LH | |
| | | 1 | **1F-0750** | 8 | NUT-WELD (3/8-16 THD) | |
| | 18 | 1 | **164-5959** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 6 | NUT-WELD (3/8-16 THD) | |
| | 19 | 1 | **9X-8266** | 2 | WASHER (10.2X56.5X6MM THK) | |
| | 20 | 1 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 21 | 1 | **114-0408** | 1 | PLATE-RH | |
| | 22 | 1 | **4L-6454** | 24 | BOLT (3/8-16X1 IN) | |
| D | 23 | 1 | **5P-7211** | | SEAL (1M) | |

D-ORDER BY THE METER

*157-0264* **HOOD & GUARD GP** ***(contd.)*** **i01434569**




GRAPHIC #1

g00652742

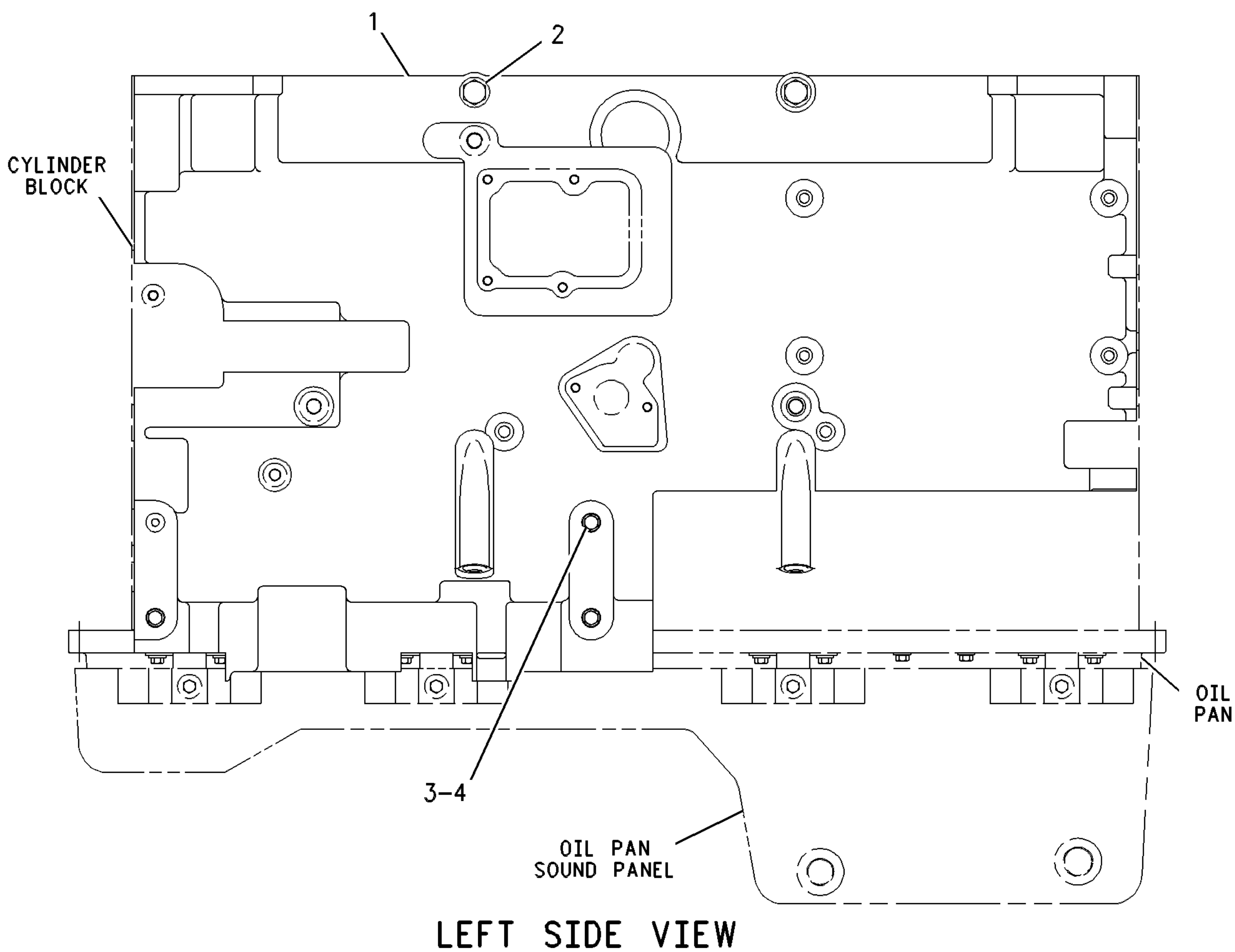
# *162-2516* PANEL GP-SOUND SUPPRESSION

**S/N: BET1-UP**

**PART OF 157-7196 ENGINE AR-COMPLETE**

**SMCS-7076** **i01448343**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **162-2515** | 1 | PANEL GP-SOUND SUPPRESSION | |
| | 2 | 1 | **5B-0841** | 2 | BOLT (5/8-18X1.75 IN) | |
| | 3 | 1 | **5M-2894** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 4 | 1 | **3B-1915** | 3 | BOLT (3/8-16X1.37 IN) | |



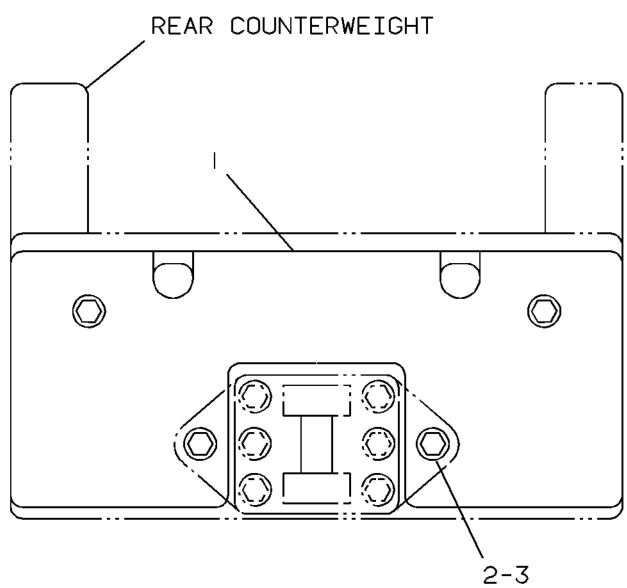

GRAPHIC #1 g00664684

# *6Y-0615* PLATE GP-HITCH

S/N: AKA1-UP

SMCS-7100 i01341117

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-0611** | 1 | PLATE | |
| | 2 | 1 | **7X-0434** | 4 | BOLT (1-1/4-7X8-1/2 IN) | |
| | 3 | 1 | **7X-0533** | 4 | WASHER-HARD (6MM THK) | |




GRAPHIC #1 g00188032

# *156-4756* PLATFORM GP

**S/N: AKA1-UP**

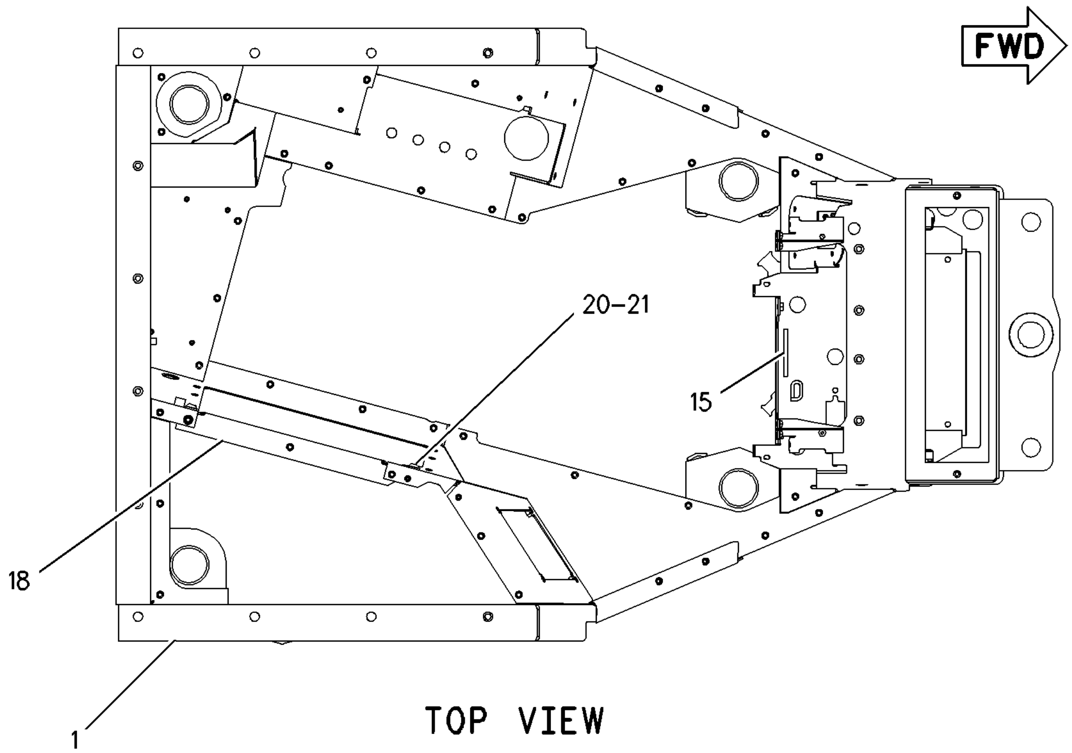
**PART OF 156-4755 PLATFORM GP-CAB**

**SMCS-7253** **i01437042**

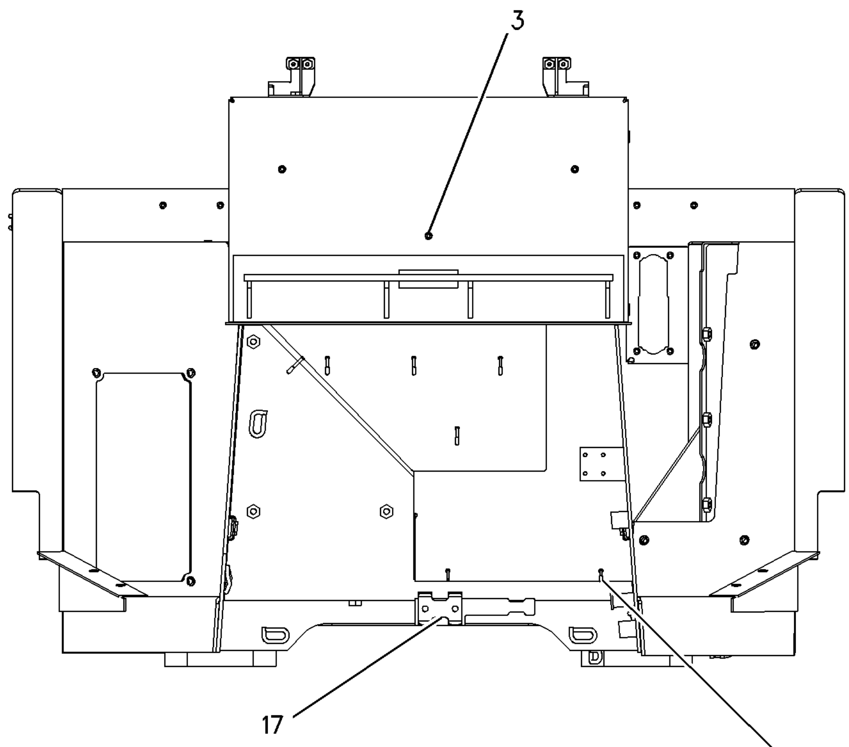
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **156-4757** | 1 | PLATFORM AS | |
| | 2 | 2 | **4P-8134** | 1 | CLIP | |
| M | 3 | 1,2 | **6V-9632** | 21 | NUT-WELD (M6X1 THD) | |
| | 4 | 2 | **7T-1099** | 38 | LINK | |
| | 5 | 2 | **8F-9836** | 4 | LUG (3/8-16 THD) | |
| M | 6 | 2 | **8T-3490** | 90 | NUT-WELD (M10X1.5 THD) | |
| | 7 | 2 | **169-6907** | 6 | SPACER | |
| | 8 | 2 | **172-4871** | 1 | CLAMP | |
| | 9 | 2 | **6C-6761** | 1 | PLATE | |
| | 10 | 2 | **9T-6001** | 2 | BOSS | |
| M | 11 | 2 | **8T-3612** | 2 | NUT-WELD (M8X1.25 THD) | |
| M | 12 | 2 | **162-3934** | 2 | NUT-WELD (M6X1.6 THD) | |
| | 13 | 2 | **5D-9629** | 2 | ROD | |
| | 14 | 2 | **6P-2215** | 7 | PIN-WELD | |
| | 15 | 1 | **6V-6716** | 2 | RIVET-TRUSS HEAD | |
| | 16 | 2 | **9F-6445** | 2 | NUT-WELD (1/4-20 THD) | |
| | 17 | 1 | **109-1645** | 1 | CLIP | |
| | 18 | 1 | **169-6902** | 1 | BRACKET AS | |
| M | | 1 | **8T-3490** | 9 | NUT-WELD (M10X1.5 THD) | |
| | 19 | 1 | **172-8600** | 6 | CAP-PROTECTIVE | |
| | 20 | 1 | **7X-7729** | 2 | WASHER (11X25X3MM THK) | |
| M | 21 | 1 | **124-8100** | 2 | SCREW-TRUSS HEAD (M10X1.5X20MM) | |

M-METRIC PART

*156-4756* **PLATFORM GP** ***(contd.)*** **i01437042**




TOP VIEW

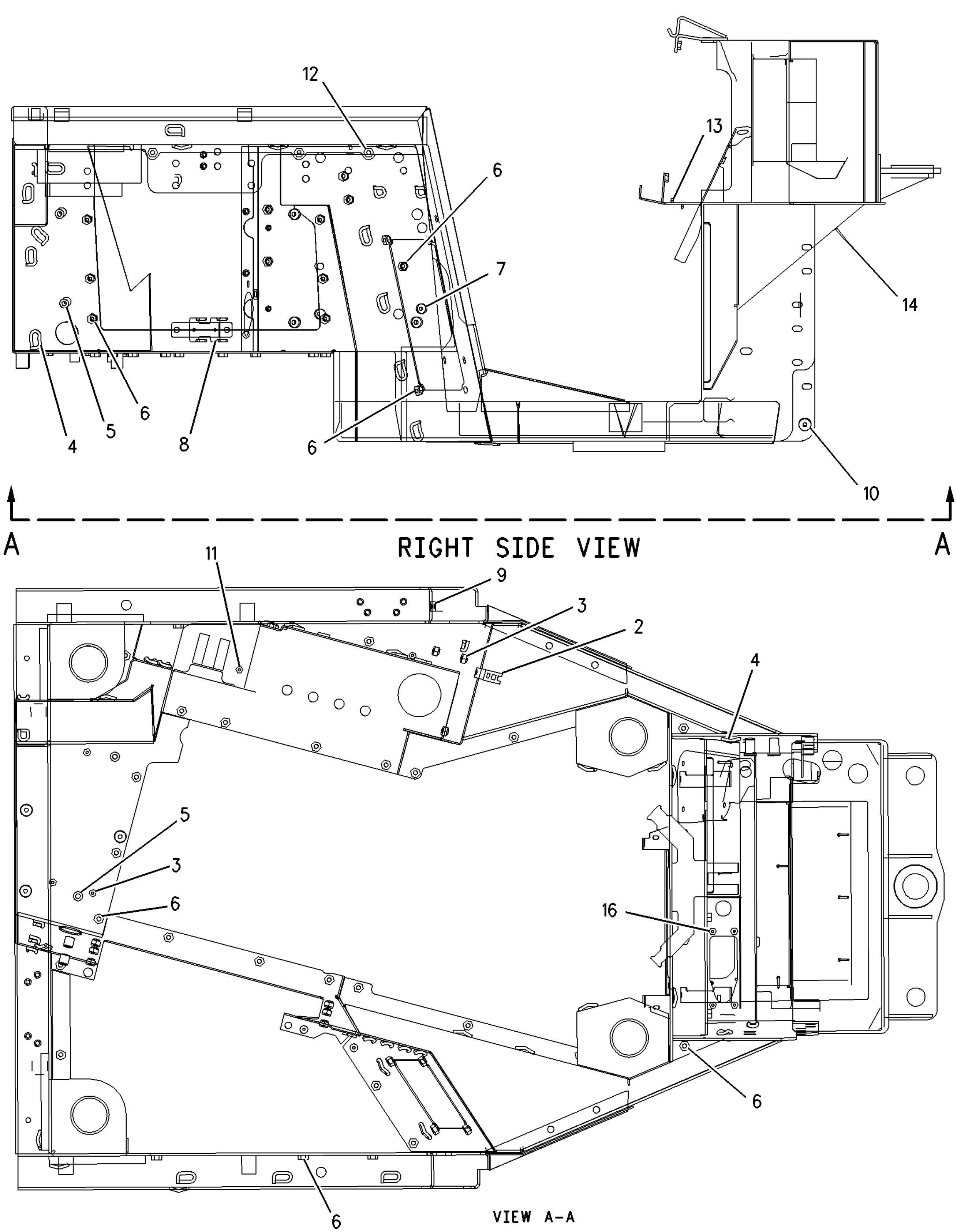



FRONT VIEW

GRAPHIC #1

g00745458

*156-4756* **PLATFORM GP** ***(contd.)*** **i01437042**




GRAPHIC #2

g00726285

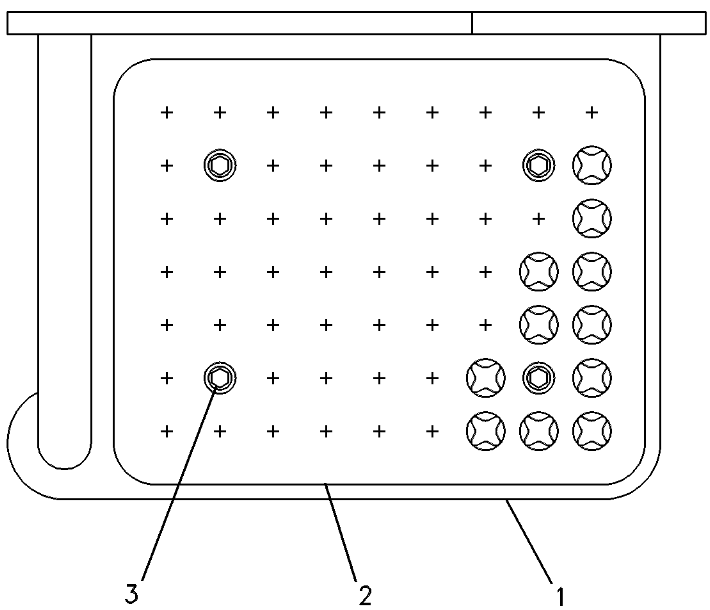
# *124-7562* STEP GP

**S/N: AKA1-UP**

**PART OF 105-9803 GUARD GP-RADIATOR**

**SMCS-7254** **i00569768**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **124-5181** | 1 | STEP AS | |
| | 2 | 1 | **124-5183** | 1 | PLATE | |
| | 3 | 1 | **6V-1193** | 4 | SCREW-HEX SOCKET | |




GRAPHIC #1

g00249109

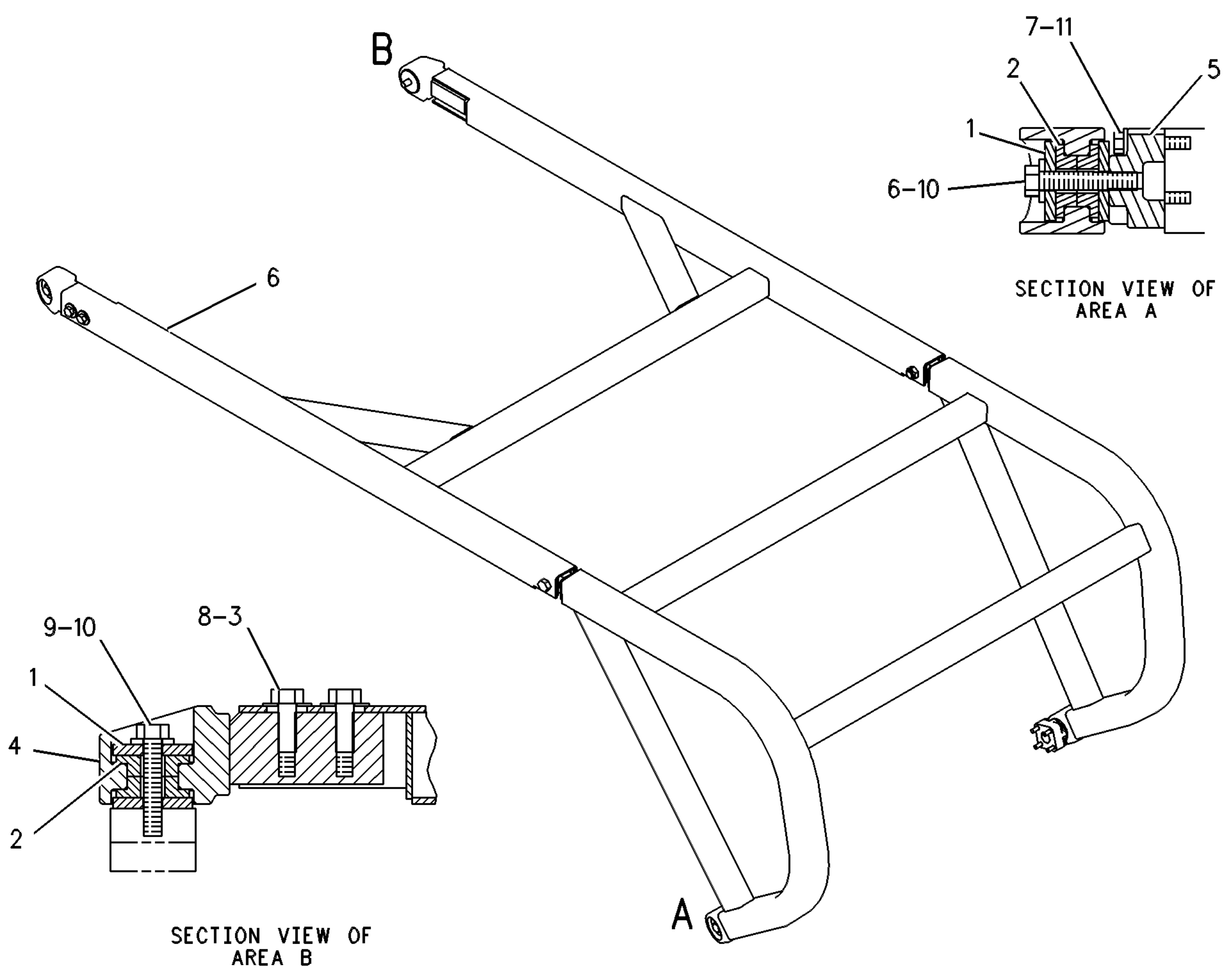
# FRAME AND BODY

## *111-3264* SWEEP GP

S/N: AKA1-UP

SMCS-7162 i01441608

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **150-1955** | 8 | PLATE | |
| | 2 | 1 | **6T-1698** | 8 | MOUNTING | |
| | 3 | 1 | **7X-0564** | 4 | WASHER-HARD (20X51X3MM THK) | |
| | 4 | 1 | **8E-6891** | 2 | BLOCK AS | |
| | 5 | 1 | **8E-9532** | 2 | SPACER | |
| | 6 | 1 | **132-9652** | 1 | SWEEP AS | |
| | | 1 | **1P-2772** | 4 | SPACER (26X31X19MM THK) | |
| | | 1 | **6K-3632** | 2 | LOCKNUT | |
| | | 1 | **8C-8844** | 2 | BOLT (1-8X5 IN) | |
| | | 1 | **8P-5244** | 4 | WASHER (33.3X69.8X6.35MM THK) | |
| | | 1 | **9S-5187** | 2 | MOUNTING | |
| | | 1 | **111-3265** | 1 | GUARD AS | |
| | | 1 | **111-3266** | 1 | GUARD AS | |
| | 7 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |
| | 8 | 1 | **7X-0366** | 4 | BOLT (3/4-10X2 IN) | |
| | 9 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |
| | 10 | 1 | **8C-8842** | 4 | BOLT (3/4-10X4 IN) | |
| | 11 | 1 | **8T-9389** | 8 | BOLT (1/2-13X2.75 IN) | |




GRAPHIC #1 g00273351

# MEMORANDA

# FRAME AND BODY

## *150-1958* SWEEP GP

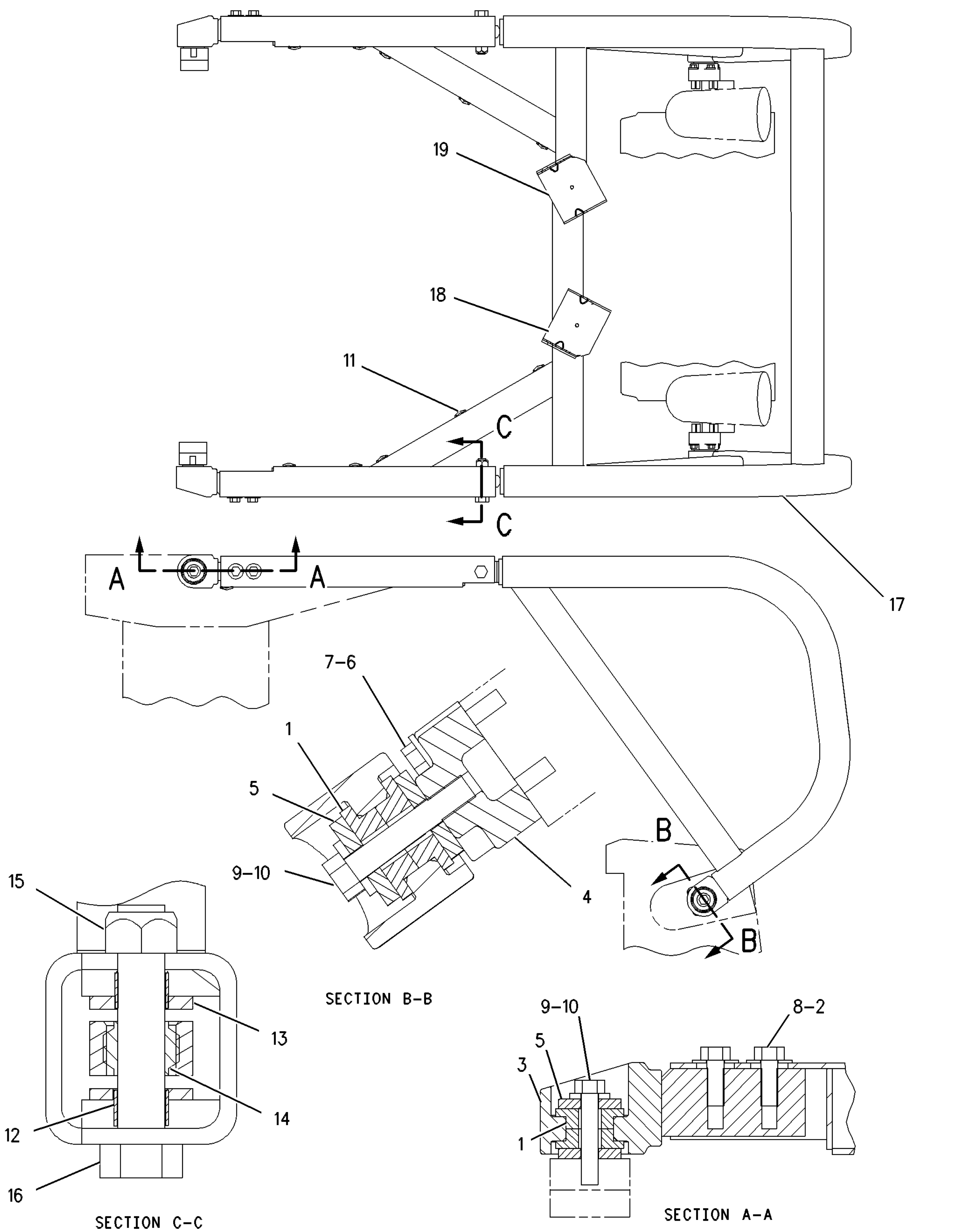
**S/N: AKA1-UP**

**PART OF 160-1058 LIGHTING AR**

**SMCS-7162** **i01447081**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6T-1698** | 8 | MOUNTING | |
| | 2 | 1 | **7X-0564** | 4 | WASHER-HARD (20X51X3MM THK) | |
| | 3 | 1 | **8E-6891** | 2 | BLOCK AS | |
| | 4 | 1 | **8E-9532** | 2 | SPACER | |
| | 5 | 1 | **150-1955** | 8 | PLATE | |
| | 6 | 1 | **8T-9389** | 8 | BOLT (1/2-13X2.75 IN) | |
| | 7 | 1 | **5P-1076** | 8 | WASHER-HARD (13.5X30X4MM THK) | |
| | 8 | 1 | **7X-0366** | 4 | BOLT (3/4-10X2 IN) | |
| | 9 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |
| | 10 | 1 | **8C-8842** | 4 | BOLT (3/4-10X4 IN) | |
| | 11 | 1 | **7T-1099** | 12 | LINK | |
| | 12 | 1 | **1P-2772** | 4 | SPACER (26X31X19MM THK) | |
| | 13 | 1 | **8P-5244** | 4 | WASHER (33.3X69.8X6.35MM THK) | |
| | 14 | 1 | **9S-5187** | 2 | MOUNTING | |
| | 15 | 1 | **6K-3632** | 2 | LOCKNUT | |
| | 16 | 1 | **8C-8844** | 2 | BOLT (1-8X5 IN) | |
| | 17 | 1 | **111-3265** | 1 | GUARD AS | |
| | 18 | 1 | **1Q-3610** | 1 | GUARD AS-RH | |
| | 19 | 1 | **1Q-3611** | 1 | GUARD AS-LH | |

*150-1958* **SWEEP GP** ***(contd.)*** **i01447081**




GRAPHIC #1 g00466912

# UNDERCARRIAGE

## *126-7537* BAR AR-STRIKER

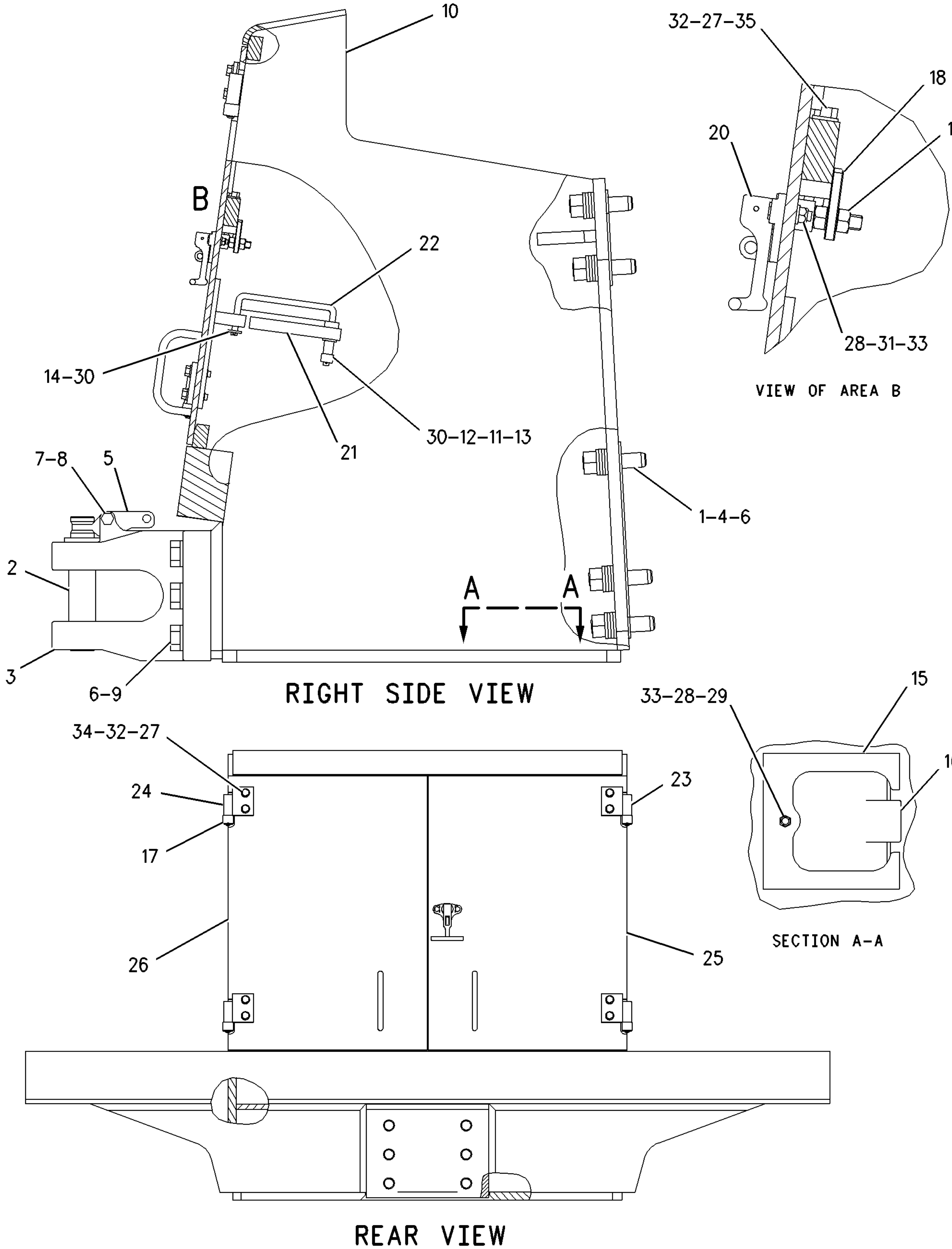
**S/N: AKA1-UP**

**REAR ONLY**

**SMCS-7180** **i01310130**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-5790** | 14 | STUD-TAPERLOCK | |
| | 2 | 1 | **1H-4106** | 1 | PIN AS-DRAWBAR | |
| | 3 | 1 | **7G-6623** | 1 | HITCH | |
| | 4 | 1 | **7H-7539** | 14 | NUT-FULL (1 1/4-12 THD) | |
| | 5 | 1 | **8E-9289** | 1 | LATCH | |
| | 6 | 1 | **7X-0533** | 62 | WASHER-HARD (6MM THK) | |
| | 7 | 1 | **3K-2889** | 1 | LOCKNUT (5/8-11 THD) | |
| | 8 | 1 | **7X-0349** | 1 | BOLT (5/8-11X3 IN) | |
| | 9 | 1 | **7X-0431** | 6 | BOLT (1-1/4-7X6 IN) | |
| | 10 | 1 | **126-7534** | 1 | BAR AS-STRIKER | |
| | 11 | 1 | **1L-4418** | 2 | SPRING-SHUTOFF | |
| | 12 | 1 | **1P-2841** | 2 | SPACER (17.5MM THK) | |
| | 13 | 1 | **2K-8467** | 2 | PIN-SPRING (3.18MM DIA) | |
| | 14 | 1 | **3B-4617** | 2 | COTTER | |
| | 15 | 1 | **3T-9310** | 1 | PLATE | |
| | 16 | 1 | **7G-6495** | 1 | COVER | |
| | 17 | 1 | **8F-3556** | 4 | SPACER | |
| | 18 | 1 | **8T-1579** | 1 | PAWL | |
| | 19 | 1 | **8T-9496** | 2 | LOCKNUT (9/16-18 THD) | |
| | 20 | 1 | **8Y-6400** | 1 | LATCH GP | |
| | | 1 | **6H-3956** | 1 | PIN | |
| | | 1 | **7X-0766** | 1 | SPRING-LATCH | |
| | | 1 | **8Y-3966** | 1 | WASHER (1.57MM THK) | |
| | | 1 | **8Y-3998** | 1 | HANDLE-LATCH | |
| | | 1 | **8Y-5747** | 1 | BRACKET-MOUNTING | |
| | | 1 | **8Y-8306** | 1 | SHAFT-LATCH | |
| | 21 | 1 | **9Z-9211** | 2 | PLATE | |
| | 22 | 1 | **9Z-9214** | 2 | ROD AS | |
| | 23 | 1 | **126-7535** | 2 | HINGE AS | |
| | 24 | 1 | **126-7536** | 2 | HINGE AS | |
| | 25 | 1 | **126-7584** | 1 | DOOR AS | |
| | 26 | 1 | **126-7585** | 1 | DOOR AS | |
| | 27 | 1 | **1K-6872** | 10 | LOCKNUT (1/2-13 THD) | |
| | 28 | 1 | **2K-4973** | 3 | LOCKNUT (3/8-16 THD) | |
| | 29 | 1 | **4L-9337** | 1 | BOLT (3/8-16X1.5 IN) | |
| | 30 | 1 | **5P-1076** | 4 | WASHER-HARD (4MM THK) | |
| | 31 | 1 | **5S-7382** | 2 | BOLT (3/8-16X1.375 IN) | |
| | 32 | 1 | **8T-4223** | 10 | WASHER-HARD (3MM THK) | |
| | 33 | 1 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 34 | 1 | **8T-8919** | 8 | BOLT (1/2-13X1.75 IN) | |
| | 35 | 1 | **8T-9391** | 2 | BOLT (1/2-13X3.75IN) | |

*126-7537* **BAR AR-STRIKER** ***(contd.)*** **i01310130**




GRAPHIC #1

g00698075

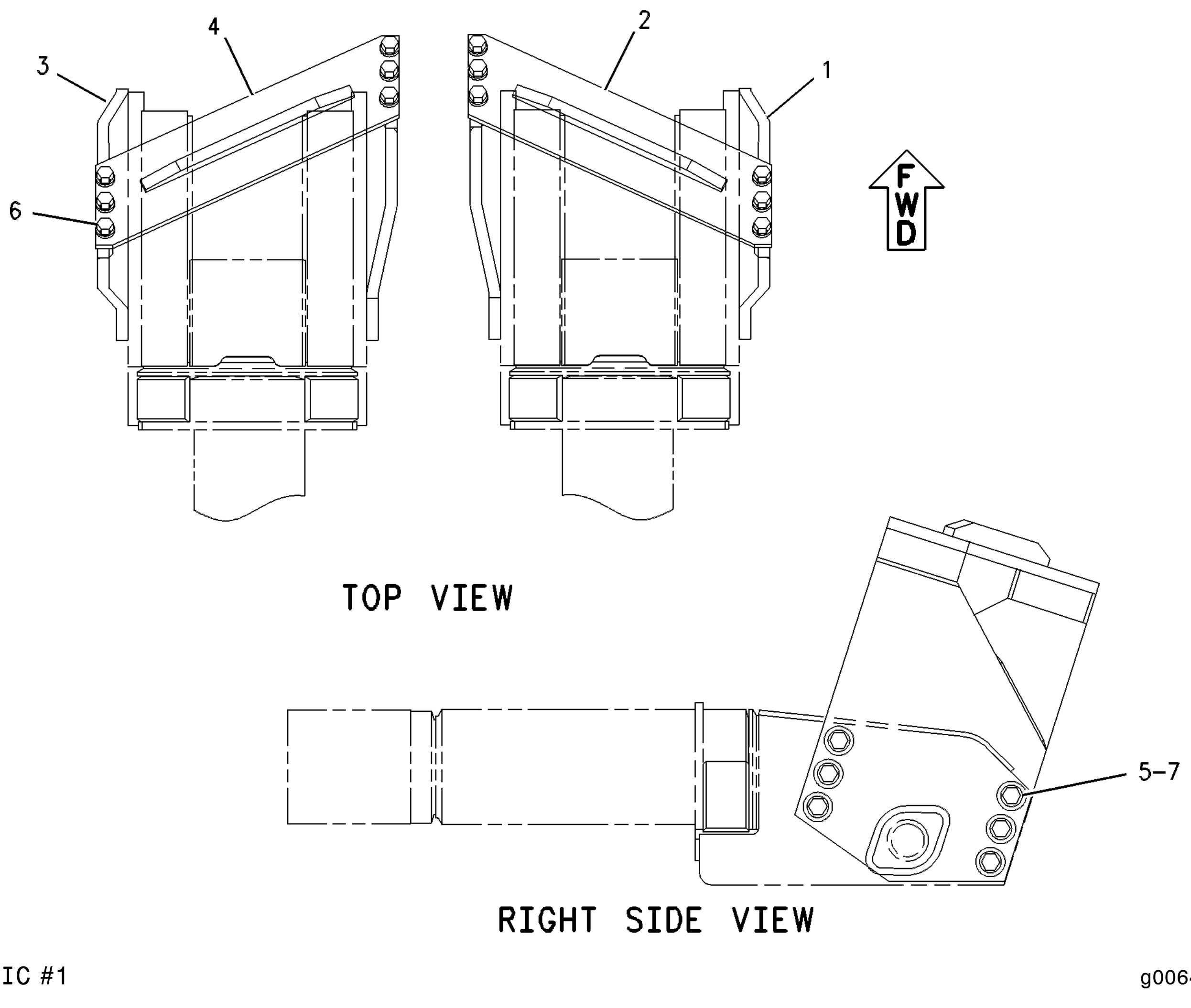
# *129-0996* BAR AR-STRIKER

**S/N: AKA1-UP**

**CANNOT BE USED WITH TRACK WIDER THAN 660MM (26IN)**

**SMCS-7180** **i01441788**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **129-0997** | 2 | PLATE AS | |
| | 2 | 1 | **129-0999** | 1 | PLATE AS | |
| | 3 | 1 | **129-1000** | 2 | PLATE AS | |
| | 4 | 1 | **129-1002** | 1 | PLATE AS | |
| | 5 | 1 | **7X-0402** | 24 | BOLT (1-8X2 IN) | |
| | 6 | 1 | **7X-0406** | 12 | BOLT (1-8X3 IN) | |
| | 7 | 1 | **8T-5361** | 36 | WASHER-HARD (28X49X5MM THK) | |




GRAPHIC #1 g00642194

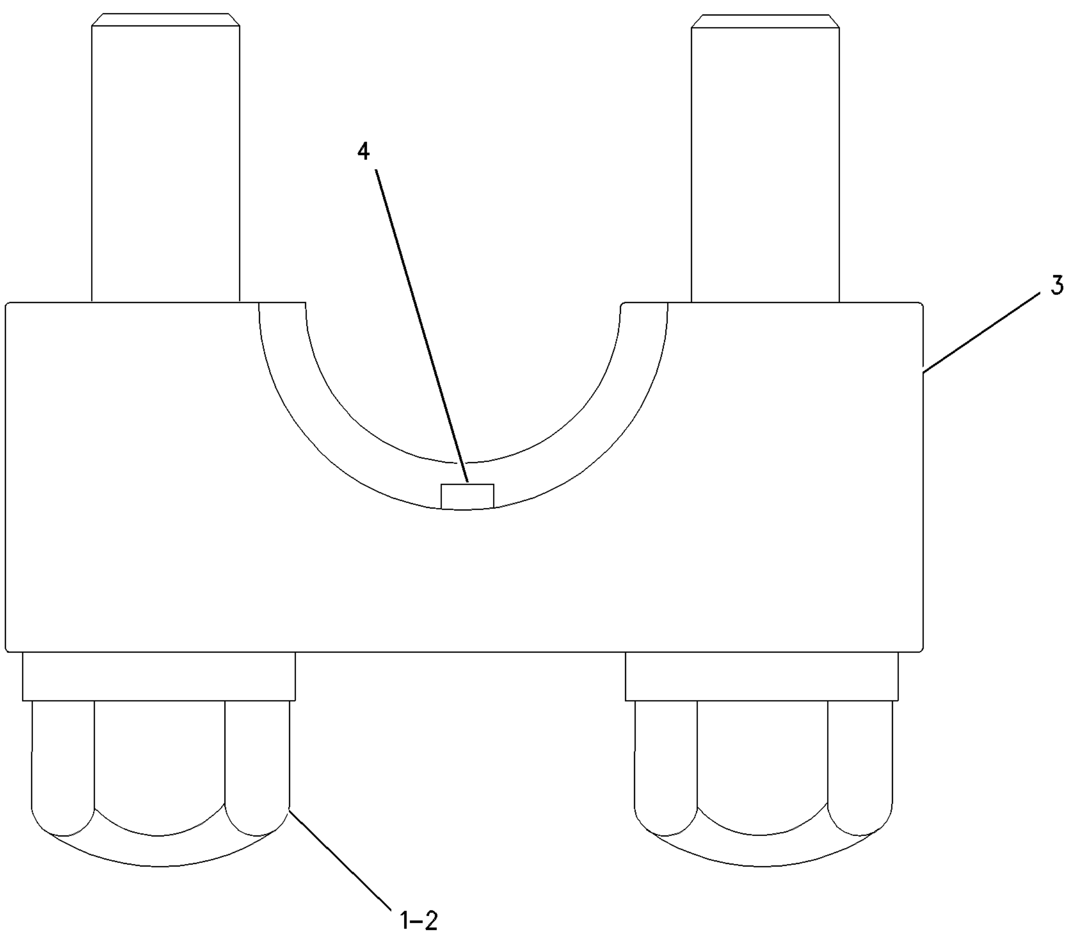
# *9W-4477* CAP GP-TRACK IDLER

**S/N: AKA1-UP**

**PART OF 156-5684 UNDERCARRIAGE AR**

**SMCS-4159** **i01065799**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-4480** | 2 | BOLT | |
| | 2 | 1 | **3S-1349** | 2 | WASHER (6.0MM THK) | |
| | 3 | 1 | **131-1644** | 1 | CAP AS-TRACK ILDER | |
| | 4 | 1 | **1T-0068** | 1 | PIN-SPRING | |




GRAPHIC #1 g00547754

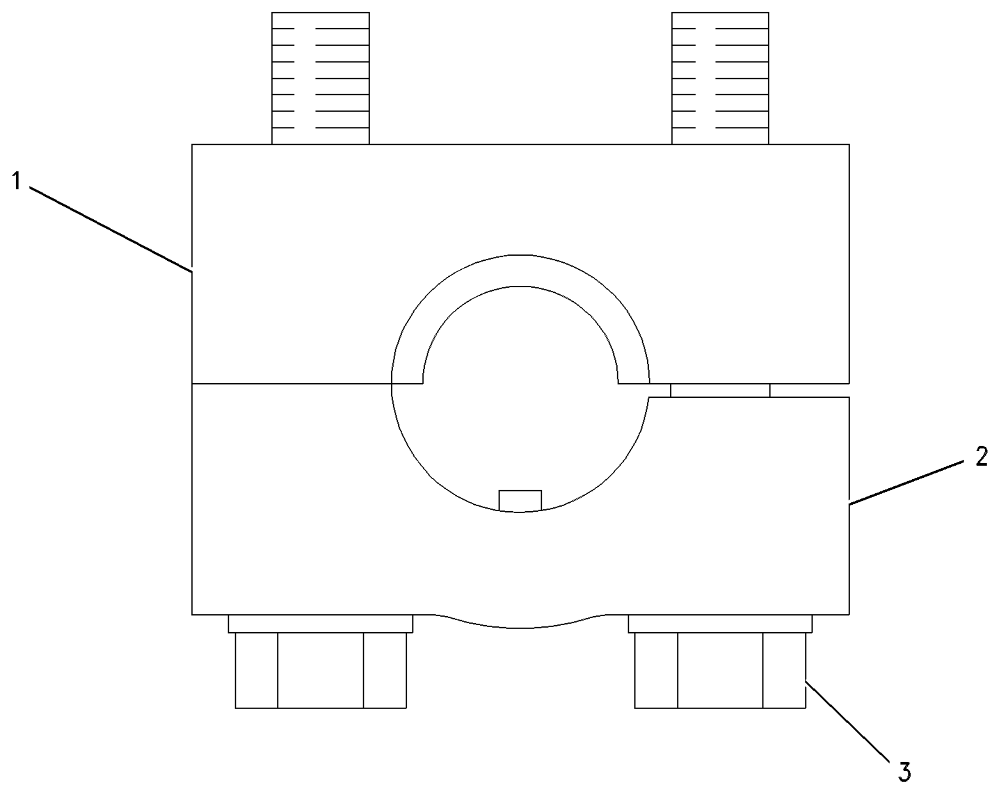
# *9W-9205* CAP GP-TRACK IDLER

S/N: AKA1-UP

PART OF 157-8036, 157-8037 UNDERCARRIAGE AR

SMCS-4159 i01502166

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-7882** | 1 | BLOCK-TRACK IDLER | |
| | 2 | 1 | **131-1645** | 1 | CAP AS-TRACK IDLER | |
| | | 1 | **1T-0068** | 1 | PIN-SPRING | |
| | 3 | 1 | **8T-4934** | 2 | BOLT (1-1/8-7 THD) | |
| | | 1 | **3S-1349** | 2 | WASHER-HARD (31X52.5X6MM THK) | |




GRAPHIC #1 g00559307

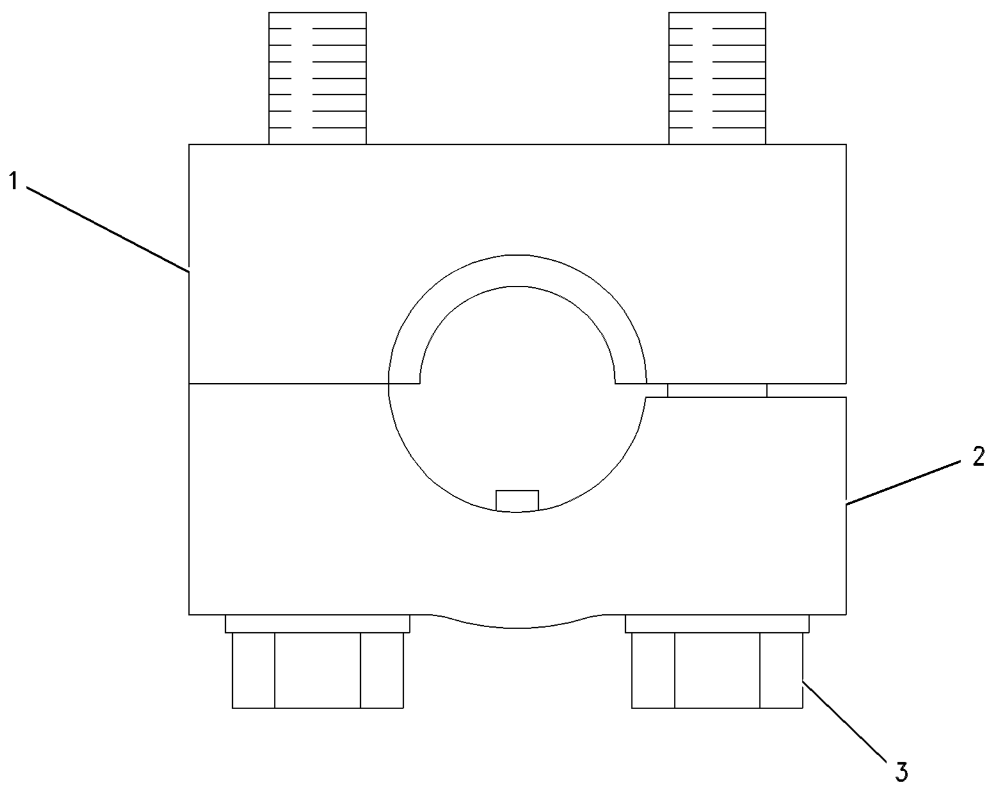
# 9W-9206 CAP GP-TRACK IDLER

**S/N: AKA1-UP**

**PART OF 157-8036, 157-8037 UNDERCARRIAGE AR**

SMCS-4159 i01323350

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-7882** | 1 | BLOCK-TRACK IDLER | |
| | 2 | 1 | **131-1646** | 1 | CAP AS-TRACK IDLER | |
| | | 1 | **1T-0068** | 1 | PIN-SPRING | |
| | 3 | 1 | **8T-4934** | 2 | BOLT | |
| | | 1 | **3S-1349** | 2 | WASHER (6.0MM THK) | |




GRAPHIC #1 g00559307

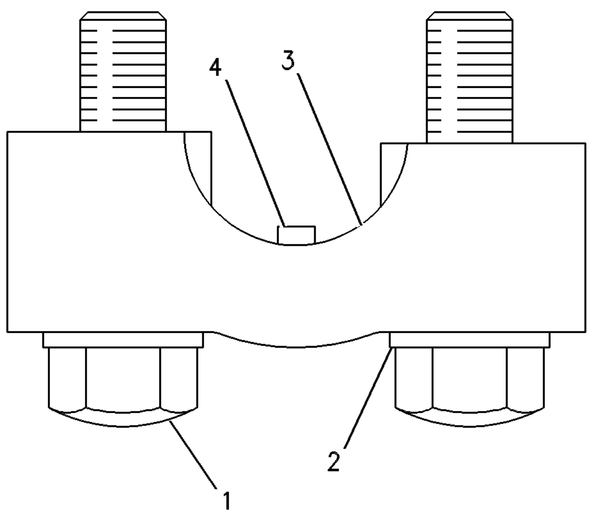
# *6T-1142* CAP GP-TRACK ROLLER

S/N: AKA1-UP

PART OF 180-3489 ROLLER AR, 156-5684, 157-8037 UNDERCARRIAGE AR

SMCS-4180 i01323344

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6T-1140** | 2 | BOLT-ROLLER MOUNTING | |
| | 2 | 1 | **5P-8249** | 2 | WASHER-HARD (4.0MM THK) | |
| | 3 | 1 | **131-1651** | 1 | CAP AS-TRACK ROLLER | |
| | 4 | 1 | **1T-0068** | 1 | PIN-SPRING | |




GRAPHIC #1 g00465296

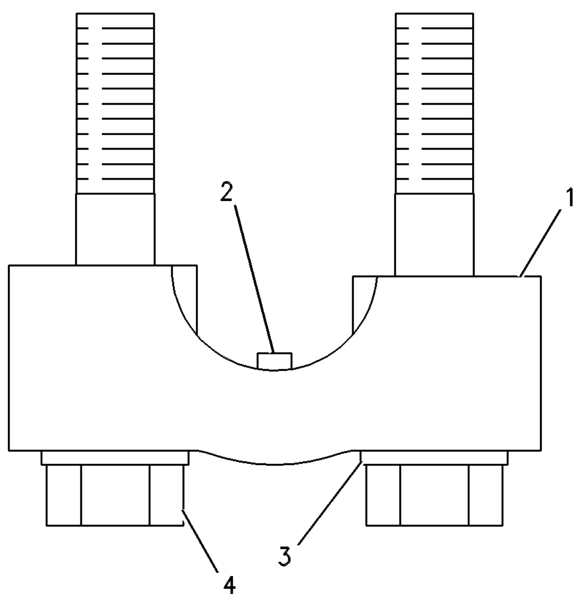
# *126-4233* CAP GP-TRACK ROLLER

**S/N: AKA1-UP**

**PART OF 157-8036, 157-8037 UNDERCARRIAGE AR**

**SMCS-4180** **i01323441**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **131-1651** | 1 | CAP AS-TRACK ROLLER | |
| | 2 | 1 | **1T-0068** | 1 | PIN-SPRING | |
| | 3 | 1 | **5P-8249** | 2 | WASHER-HARD (4.0MM THK) | |
| | 4 | 1 | **9S-1351** | 2 | BOLT (7/8-9X5 IN) | |




GRAPHIC #1 g00471931

## *127-8778* EQUALIZER BAR AS

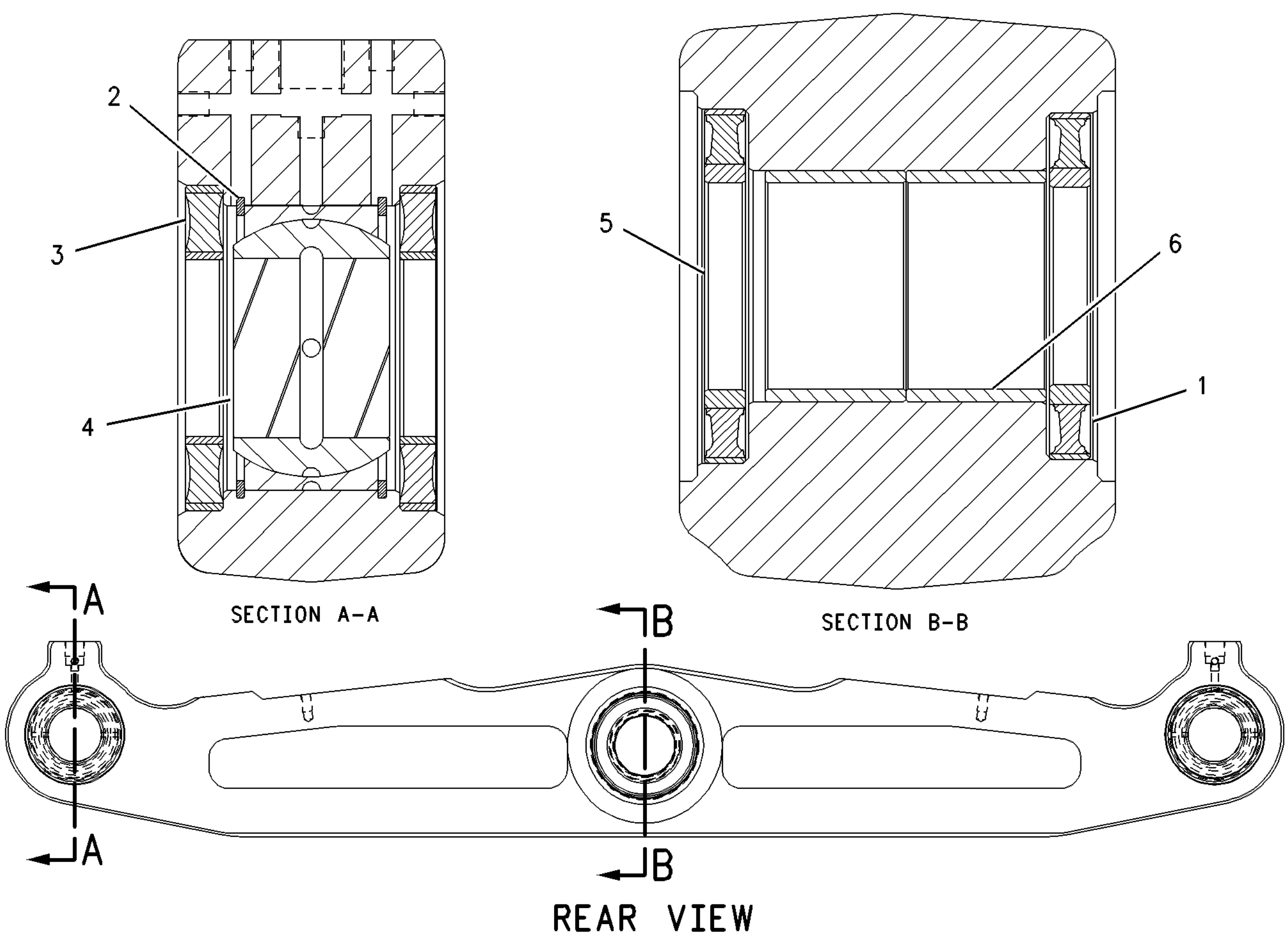
**S/N: AKA1-UP**

**PART OF 127-8779 EQUALIZER BAR GP**

**FIELD REPLACEMENT ORDER 140-9698—PAGE 474**

**SMCS-7206, 7207, 7210** **i01502168**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7G-8666** | 1 | SEAL AS (79.87MM ID) | |
| | 2 | 1 | **5L-4751** | 4 | RING-RETAINING | |
| | 3 | 1 | **9X-7505** | 4 | SEAL AS | |
| | 4 | 1 | **117-4013** | 2 | BEARING-SELF ALIGNING | |
| | 5 | 1 | **7G-8664** | 1 | SEAL (80.46MM ID) | |
| | 6 | 1 | **130-3139** | 2 | BEARING-SLEEVE | |




GRAPHIC #1 g00492546

# MEMORANDA

# *127-8779* EQUALIZER BAR GP

**S/N: AKA1-UP**

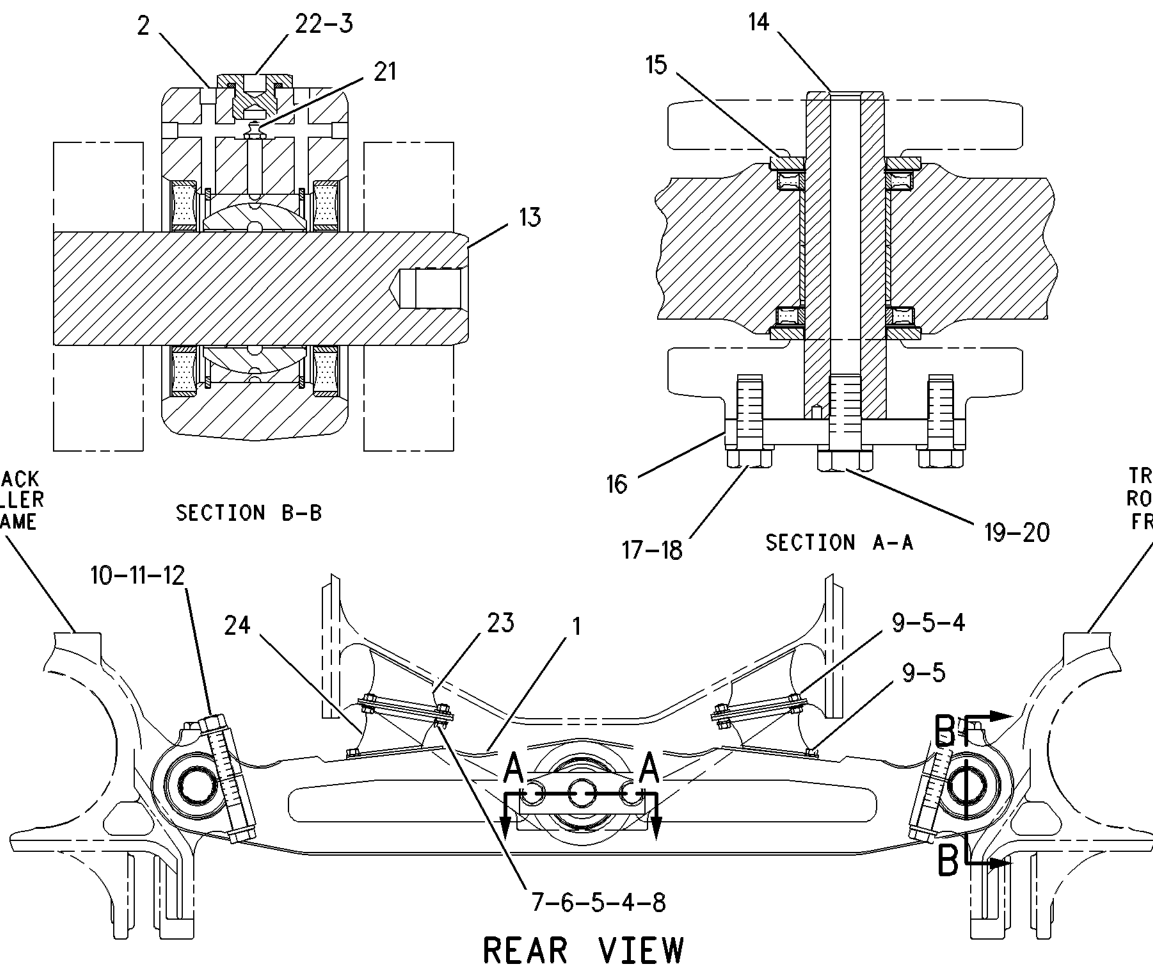
**PART OF 156-5684, 157-8036, 157-8037 UNDERCARRIAGE AR**

**SMCS-7206, 7207, 7210** **i01502167**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *127-8778* | 1 | EQUALIZER BAR AS | 470 |
| | 2 | 1 | **2F-5326** | 8 | SETSCREW | |
| | 3 | 1 | **5F-1678** | 2 | SEAL-O-RING | |
| | 4 | 1 | **6V-8188** | 8 | NUT (1/2-13 THD) | |
| | 5 | 1 | **8T-4223** | 16 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 6 | 1 | **5P-1076** | 4 | WASHER-HARD (13.5X30X4MM THK) | |
| | 7 | 1 | **8F-4028** | 4 | SPACER | |
| | 8 | 1 | **8T-8917** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 9 | 1 | **5C-6565** | 8 | BOLT (1/2-13X1.25 IN) | |
| | 10 | 1 | **7X-0531** | 8 | WASHER-HARD (31X52.5X6MM THK) | |
| | 11 | 1 | **2M-3530** | 4 | BOLT | |
| | 12 | 1 | **3S-1356** | 4 | NUT-FULL (1-1/8-12 THD) | |
| | 13 | 1 | **7T-4865** | 2 | PIN | |
| | 14 | 1 | **6Y-3545** | 1 | PIN | |
| | 15 | 1 | **3T-5294** | 2 | SPACER | |
| | 16 | 1 | **9P-6911** | 1 | PLATE | |
| | 17 | 1 | **2H-3745** | 2 | BOLT (1-14X2.75 IN) | |
| | 18 | 1 | **8T-5361** | 2 | WASHER-HARD (28X49X5MM THK) | |
| | 19 | 1 | **7F-6112** | 1 | BOLT (1 1/4-12X3 IN) | |
| | 20 | 1 | **7X-0533** | 1 | WASHER-HARD (34X55X6MM THK) | |
| | 21 | 1 | **3B-8489** | 2 | FITTING-GREASE | |
| | 22 | 1 | **133-5631** | 2 | PLUG | |
| | 23 | 1 | **6Y-9509** | 2 | PAD AS | |
| | 24 | 1 | **6Y-9508** | 2 | PAD AS | |

Y-SEPARATE ILLUSTRATION

*127-8779* **EQUALIZER BAR GP** ***(contd.)*** **i01502167**




GRAPHIC #1 g00492493

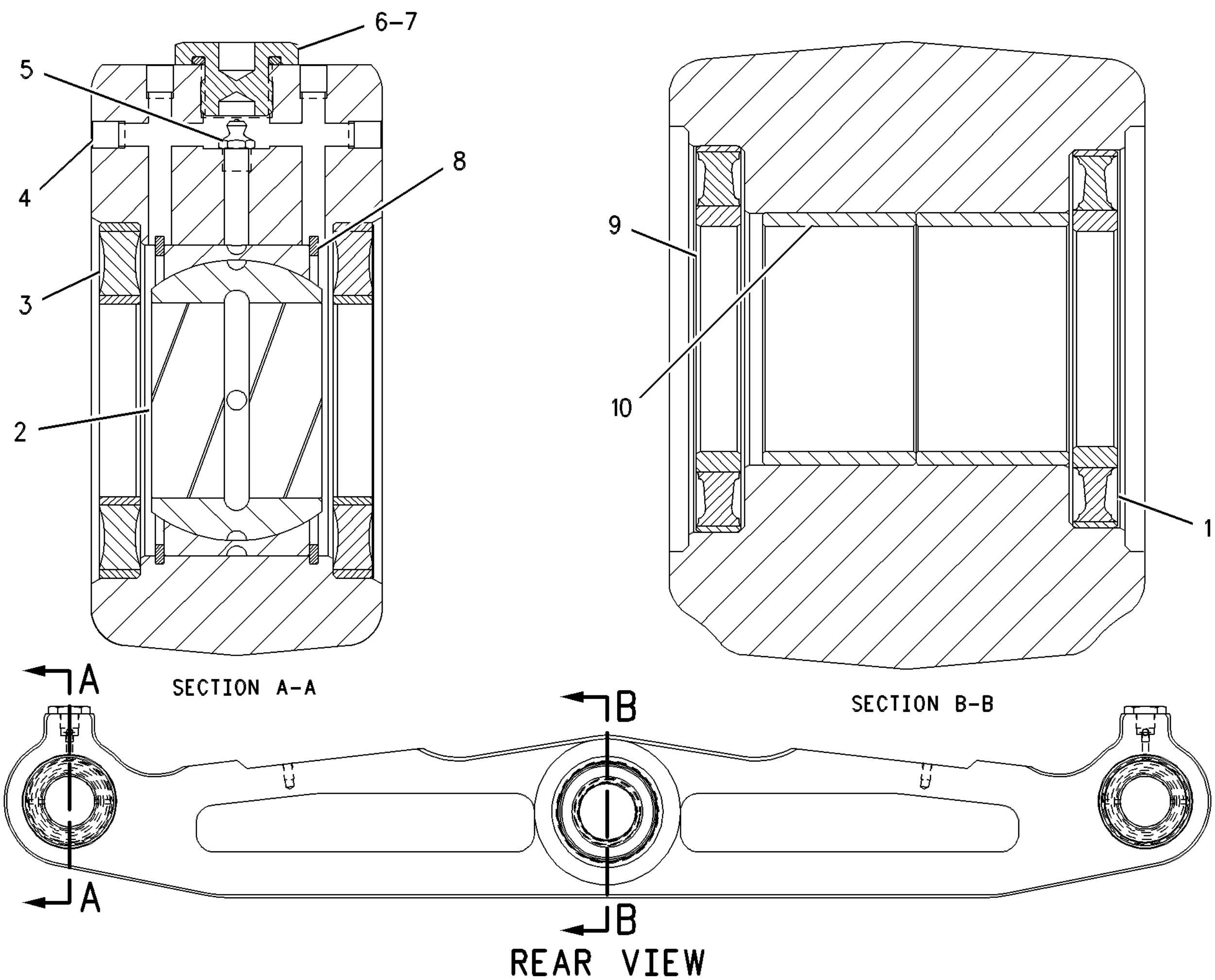
# *140-9698* EQUALIZER BAR GP

S/N: AKA1-UP

FIELD REPLACEMENT FOR 127-8778—PAGE 470

SMCS-7206, 7207, 7210 i01502169

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7G-8666** | 1 | SEAL AS (79.87MM ID) | |
| | 2 | 1 | **117-4013** | 2 | BEARING-SELF ALIGNING | |
| | 3 | 1 | **9X-7505** | 4 | SEAL AS | |
| | 4 | 1 | **2F-5326** | 8 | SETSCREW | |
| | 5 | 1 | **3B-8489** | 2 | FITTING-GREASE | |
| | 6 | 1 | **133-5631** | 2 | PLUG | |
| | 7 | 1 | **5F-1678** | 2 | SEAL-O-RING | |
| | 8 | 1 | **5L-4751** | 4 | RING-RETAINING | |
| | 9 | 1 | **7G-8664** | 1 | SEAL (80.46MM ID) | |
| | 10 | 1 | **130-3139** | 2 | BEARING-SLEEVE | |




GRAPHIC #1 g00492629

# *170-5758* FRAME AS-TRACK ROLLER

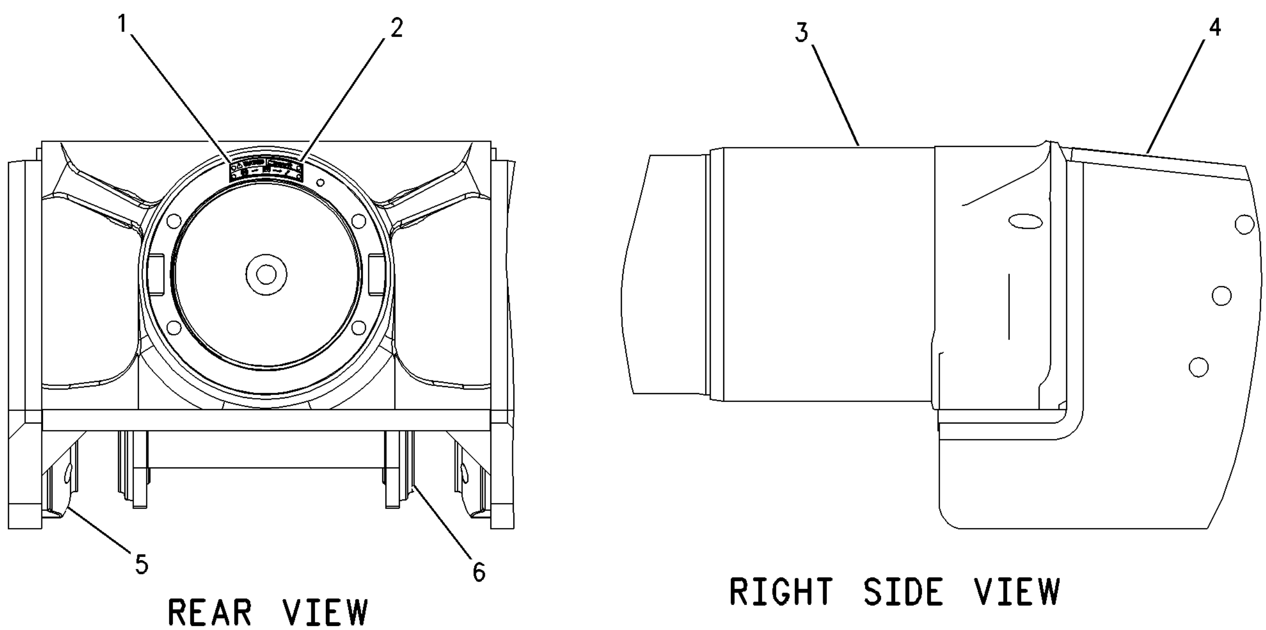
S/N: AKA1-UP

PART OF 143-7721 DISPOSAL AR-WASTE

SMCS-4151 i01488512

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4B-4158** | 4 | SCREW-DRIVE (3/16X0.25 IN) | |
| | 2 | 1 | **6V-2226** | 1 | PLATE-WARNING (RECOIL SPRING) | |
| | 3 | 1 | **154-9838** | 1 | SLEEVE | |
| Z | 4 | 1 | | 1 | FRAME AS-FRONT | |
| | 5 | 1 | **6T-3793** | 2 | SUPPORT | |
| | 6 | 1 | **9P-5708** | 2 | SUPPORT | |

Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00741147

# *156-5685* FRAME GP-TELESCOPING RECOIL

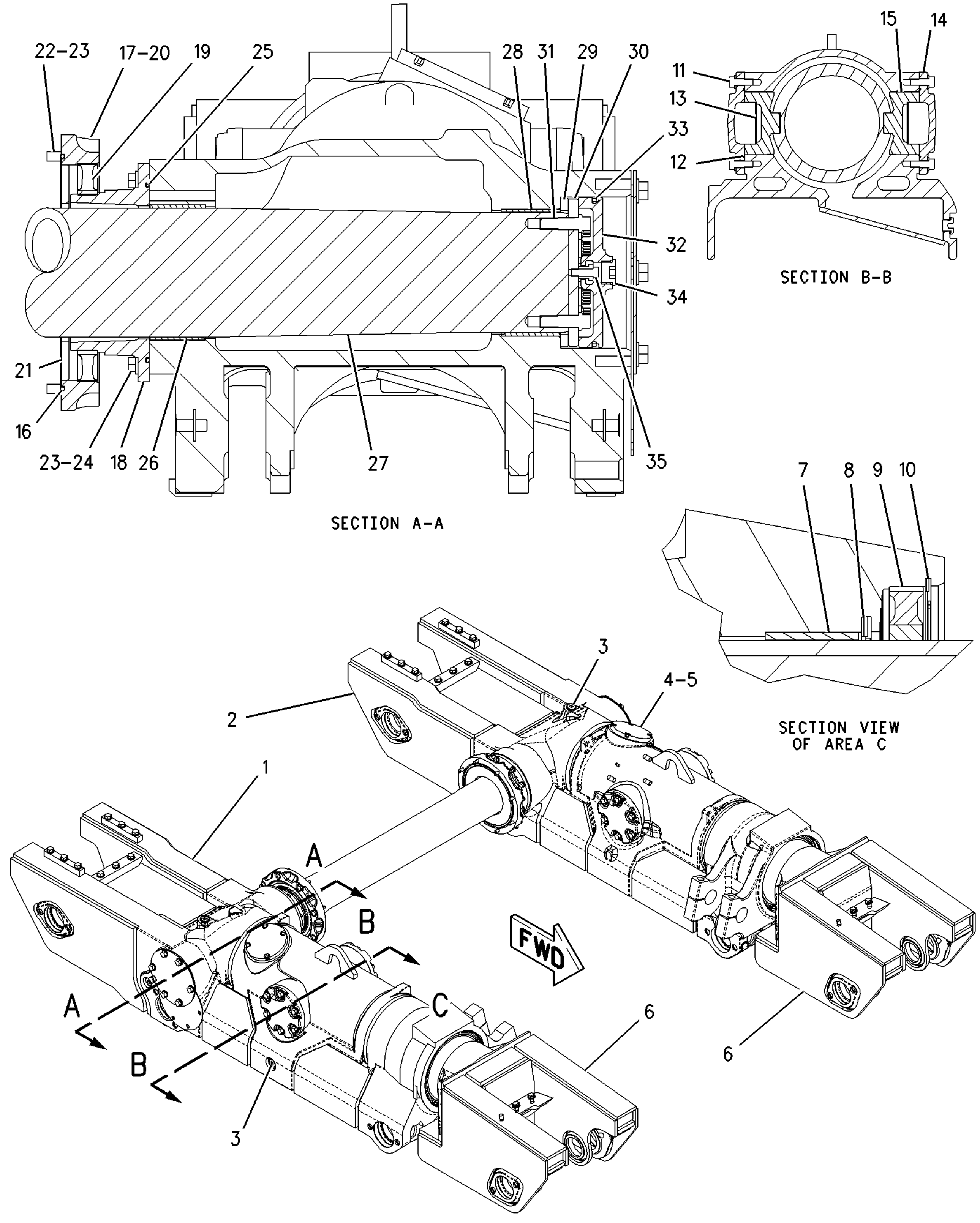
**S/N: AKA1-UP**

**PART OF 156-5684 UNDERCARRIAGE AR**

**SMCS-4151** **i01497204**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **175-3632** | 1 | FRAME AS-ROLLER (RH) | |
| | 2 | 1 | **175-3633** | 1 | FRAME AS-ROLLER (LH) | |
| | 3 | 1 | **4T-2069** | 6 | PLUG-DRAIN | |
| | | 1 | **2H-3932** | 6 | SEAL-O-RING | |
| | 4 | 1 | **9W-2466** | 1 | COVER AS-RH | |
| | | 1 | **9W-4813** | 1 | COVER AS-LH | |
| | | 1 | **9M-3786** | 2 | SEAL-O-RING | |
| | 5 | 1 | **4L-6454** | 8 | BOLT (3/8-16X1 IN) | |
| | | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 6 | 1 | **171-8714** | 2 | FRAME AS-FRONT | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **154-9838** | 1 | SLEEVE | |
| | | 1 | **6V-2226** | 1 | PLATE-WARNING (RECOIL SPRING) | |
| | | 1 | **4B-4158** | 4 | SCREW-DRIVE (3/16X0.25 IN) | |
| | 7 | 1 | **7G-7379** | 2 | BEARING | |
| | 8 | 1 | **3T-5898** | 2 | RING-RETAINING | |
| | 9 | 1 | **9X-4584** | 2 | SEAL AS | |
| | 10 | 1 | **9W-3301** | 2 | RING-RETAINING | |
| | 11 | 1 | **7X-0345** | 24 | BOLT (5/8-11X1.75 IN) | |
| | | 1 | **8T-4122** | 24 | WASHER-HARD (17X32X3.5MM THK) | |
| | 12 | 1 | **2K-4472** | 4 | SEAL-O-RING | |
| | 13 | 1 | **6T-8258** | 4 | FILM-WARNING (RECOIL SPRING) | |
| | 14 | 1 | **6P-8931** | 4 | COVER | |
| | 15 | 1 | **6T-8801** | 4 | GUIDE AS | |
| | | 1 | **6T-8258** | 1 | FILM-WARNING (RECOIL SPRING) | |
| | 16 | 1 | **6V-3263** | 2 | SEAL-O-RING | |
| | 17 | 1 | **7T-1149** | 2 | RETAINER AS | |
| | | | | | (EACH INCLUDES) | |
| | 18 | 1 | **7T-1150** | 1 | RETAINER | |
| | 19 | 1 | **7T-1151** | 1 | SEAL AS | |
| | 20 | 1 | **7T-1152** | 1 | RETAINER | |
| | 21 | 1 | **7T-1153** | 1 | PLATE | |
| | 22 | 1 | **5P-2424** | 16 | BOLT (1/2-13X2.25 IN) | |
| | 23 | 1 | **8T-4223** | 32 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 24 | 1 | **8C-4436** | 16 | BOLT (1/2-13X1.375 IN) | |
| | 25 | 1 | **5P-5374** | 2 | SEAL-O-RING | |
| | 26 | 1 | **3T-4243** | 2 | BEARING-SLEEVE | |
| | 27 | 1 | **8E-2837** | 1 | SHAFT-PIVOT | |
| | 28 | 1 | **3T-4244** | 2 | BEARING-SLEEVE | |
| | 29 | 1 | **8E-0719** | 2 | RING-THRUST | |
| | 30 | 1 | **8E-2898** | 2 | PLATE | |
| | 31 | 1 | **8S-2331** | 24 | BOLT-12 POINT HEAD (5/8-11 X 2 IN) | |
| | 32 | 1 | **8E-2899** | 2 | PLATE | |
| | 33 | 1 | **2D-1690** | 2 | SEAL-RING | |
| | 34 | 1 | **9S-8009** | 2 | PLUG-O-RING | |
| | | 1 | **4K-1388** | 2 | SEAL-O-RING | |
| | 35 | 1 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | | 1 | **7T-6079** | 2 | SPACER | |

*156-5685* **FRAME GP-TELESCOPING RECOIL** ***(contd.)*** **i01497204**




GRAPHIC #1 g00777771

# *157-3100* FRAME GP-TELESCOPING RECOIL

**S/N: AKA1-UP**

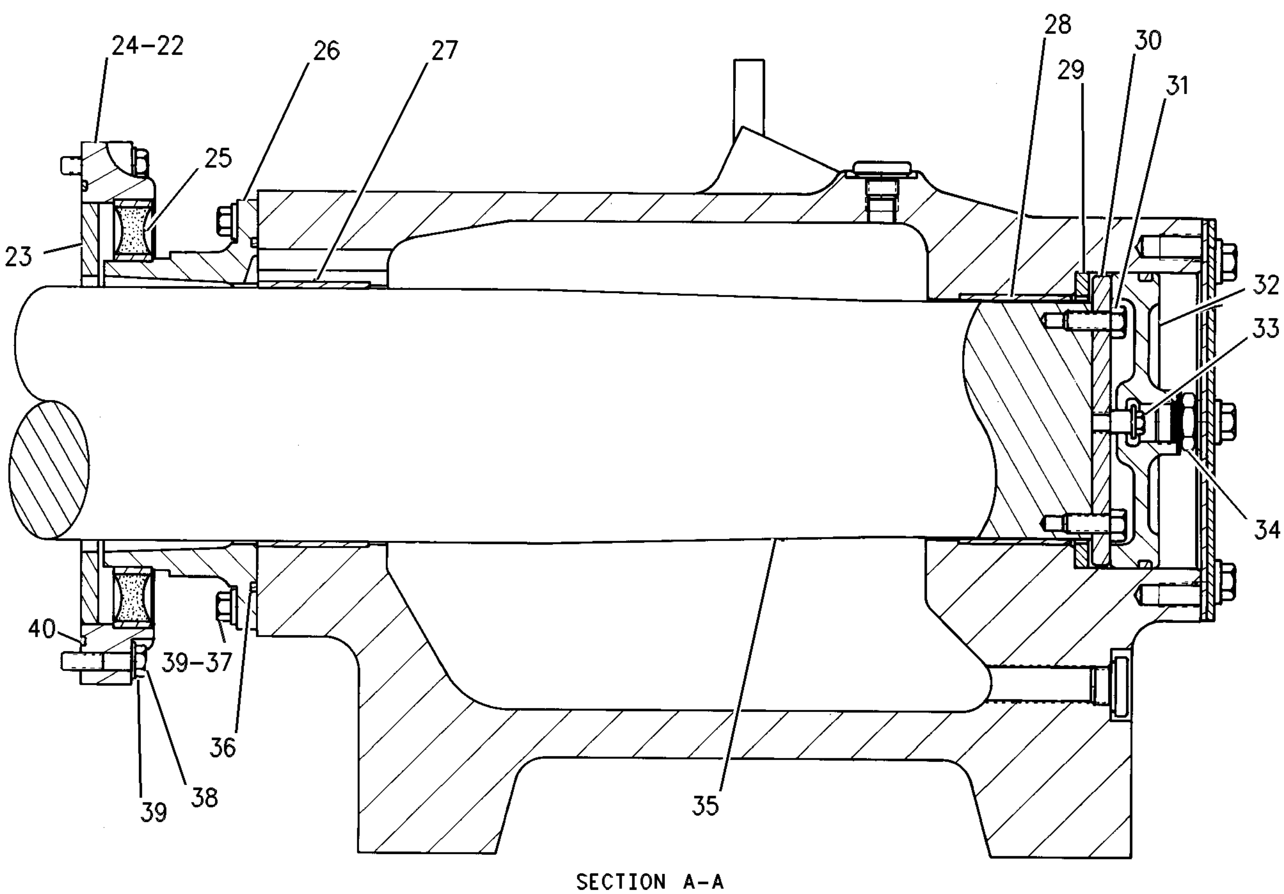
**PART OF 157-8036 UNDERCARRIAGE AR**

**SMCS-4151** **i01497975**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2K-4472** | 4 | SEAL-O-RING | |
| | 2 | 1 | **6T-8258** | 4 | FILM-WARNING (RECOIL SPRING) | |
| | 3 | 1 | **7X-0345** | 24 | BOLT (5/8-11X1.75 IN) | |
| | | 1 | **8T-4122** | 24 | WASHER-HARD (17X32X3.5MM THK) | |
| | 4 | 1 | **6T-8801** | 4 | GUIDE AS | |
| | | 1 | **6T-8258** | 1 | FILM-WARNING (RECOIL SPRING) | |
| | 5 | 1 | **6P-8931** | 4 | COVER | |
| | 6 | 1 | **9W-7586** | 8 | PLATE | |
| | 7 | 1 | **9W-7587** | 4 | PLATE | |
| | 8 | 1 | **3T-5898** | 2 | RING-RETAINING | |
| | 9 | 1 | **9X-4584** | 2 | SEAL AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **8T-5071** | 1 | GUARD-SEAL | |
| | 10 | 1 | **9W-3301** | 2 | RING-RETAINING | |
| | 11 | 1 | **7G-7379** | 2 | BEARING | |
| | 12 | 1 | **5P-2566** | 24 | BOLT (1/2-13X1.5 IN) | |
| | 13 | 1 | **5P-1076** | 24 | WASHER-HARD (13.5X30X4MM THK) | |
| | 14 | 1 | **9W-7594** | 4 | DOWEL | |
| | 15 | 1 | **4T-2069** | 6 | PLUG-DRAIN | |
| | | 1 | **2H-3932** | 6 | SEAL-O-RING | |
| | 16 | 1 | **9W-4813** | 1 | COVER AS-LH | |
| | | 1 | **9W-2466** | 1 | COVER AS-RH | |
| | | | | | (EACH COVER AS INCLUDES) | |
| | | 1 | **5P-7179** | 2 | PLATE-WARNING (RECOIL SPRING OIL) | |
| | | 1 | **9N-1995** | 4 | RIVET-POP | |
| | | 1 | **9M-3786** | 2 | SEAL-O-RING | |
| | 17 | 1 | **4L-6454** | 8 | BOLT (3/8-16X1 IN) | |
| | | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 18 | 1 | **9W-7553** | 1 | FRAME AS-RH | |
| | | 1 | **9W-7554** | 1 | FRAME AS-LH | |
| | 19 | 1 | **157-3101** | 2 | FRAME AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-2226** | 1 | PLATE-WARNING (RECOIL SPRING) | |
| | | 1 | **4B-4158** | 4 | SCREW-DRIVE (3/16X0.25 IN) | |
| | | 1 | **154-9838** | 1 | SLEEVE | |
| | | 1 | **9W-7594** | 2 | DOWEL | |
| | 20 | 1 | **8C-6857** | 56 | BOLT (3/4-10X2.75 IN) | |
| | | 1 | **8T-4994** | 56 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 21 | 1 | **184-4395** | 28 | GUIDE | |
| | 22 | 2 | **7T-1149** | 2 | RETAINER AS | |
| | | | | | (EACH INCLUDES) | |
| | 23 | 2 | **7T-1153** | 1 | PLATE | |
| | 24 | 2 | **7T-1152** | 1 | RETAINER (OUTER) | |
| | 25 | 2 | **7T-1151** | 1 | SEAL AS (SWAGED) | |
| | 26 | 2 | **7T-1150** | 1 | RETAINER (INNER) | |
| | 27 | 2 | **3T-4243** | 2 | BEARING-SLEEVE | |
| | 28 | 2 | **3T-4244** | 2 | BEARING-SLEEVE | |
| | 29 | 2 | **8E-0719** | 2 | RING-THRUST | |
| | 30 | 2 | **8E-2898** | 2 | PLATE | |
| | 31 | 2 | **8S-2331** | 24 | BOLT-12 POINT HEAD (5/8-11 X 2 IN) | |
| | 32 | 2 | **8E-2899** | 2 | PLATE | |
| | | 2 | **2D-1690** | 2 | SEAL-RING | |
| | 33 | 2 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | | 2 | **7T-6079** | 2 | SPACER | |
| | 34 | 2 | **9S-8009** | 2 | PLUG-O-RING | |
| | | 2 | **4K-1388** | 2 | SEAL-O-RING | |

## *157-3100* **FRAME GP-TELESCOPING RECOIL** *(contd.)* **i01497975**

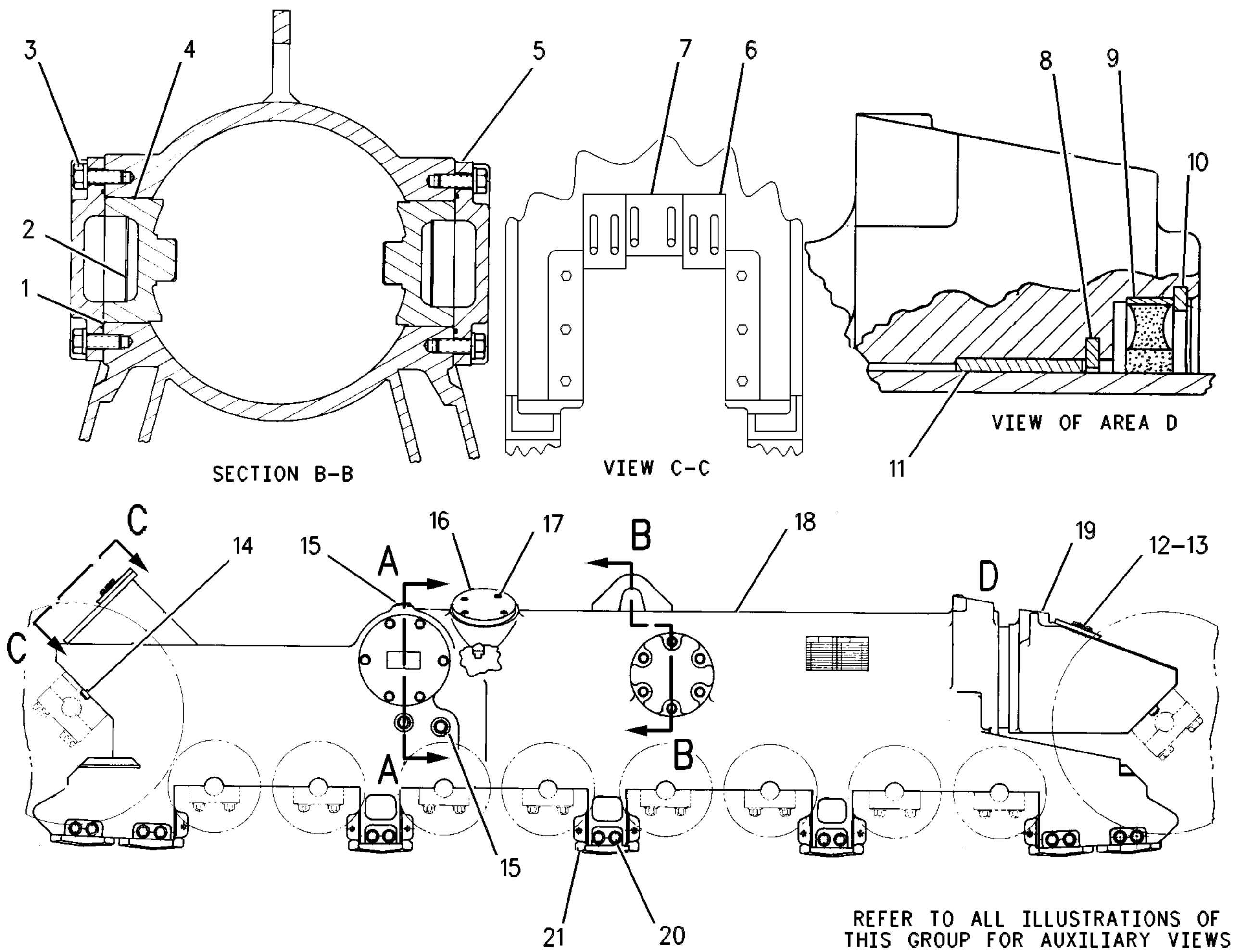
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 35 | 2 | **8E-2837** | 1 | SHAFT-PIVOT | |
| | 36 | 2 | **5P-5374** | 2 | SEAL-O-RING | |
| | 37 | 2 | **8C-4436** | 16 | BOLT (1/2-13X1.375 IN) | |
| | 38 | 2 | **5P-2424** | 16 | BOLT (1/2-13X2.25 IN) | |
| | 39 | 2 | **8T-4223** | 32 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 40 | 2 | **6V-3263** | 2 | SEAL-O-RING | |




GRAPHIC #1

g00433922

*157-3100* **FRAME GP-TELESCOPING RECOIL** ***(contd.)*** **i01497975**




GRAPHIC #2

g00448907

# MEMORANDA

# *157-3110* FRAME GP-TELESCOPING RECOIL

**S/N: AKA1-UP**

**PART OF 157-8037 UNDERCARRIAGE AR**

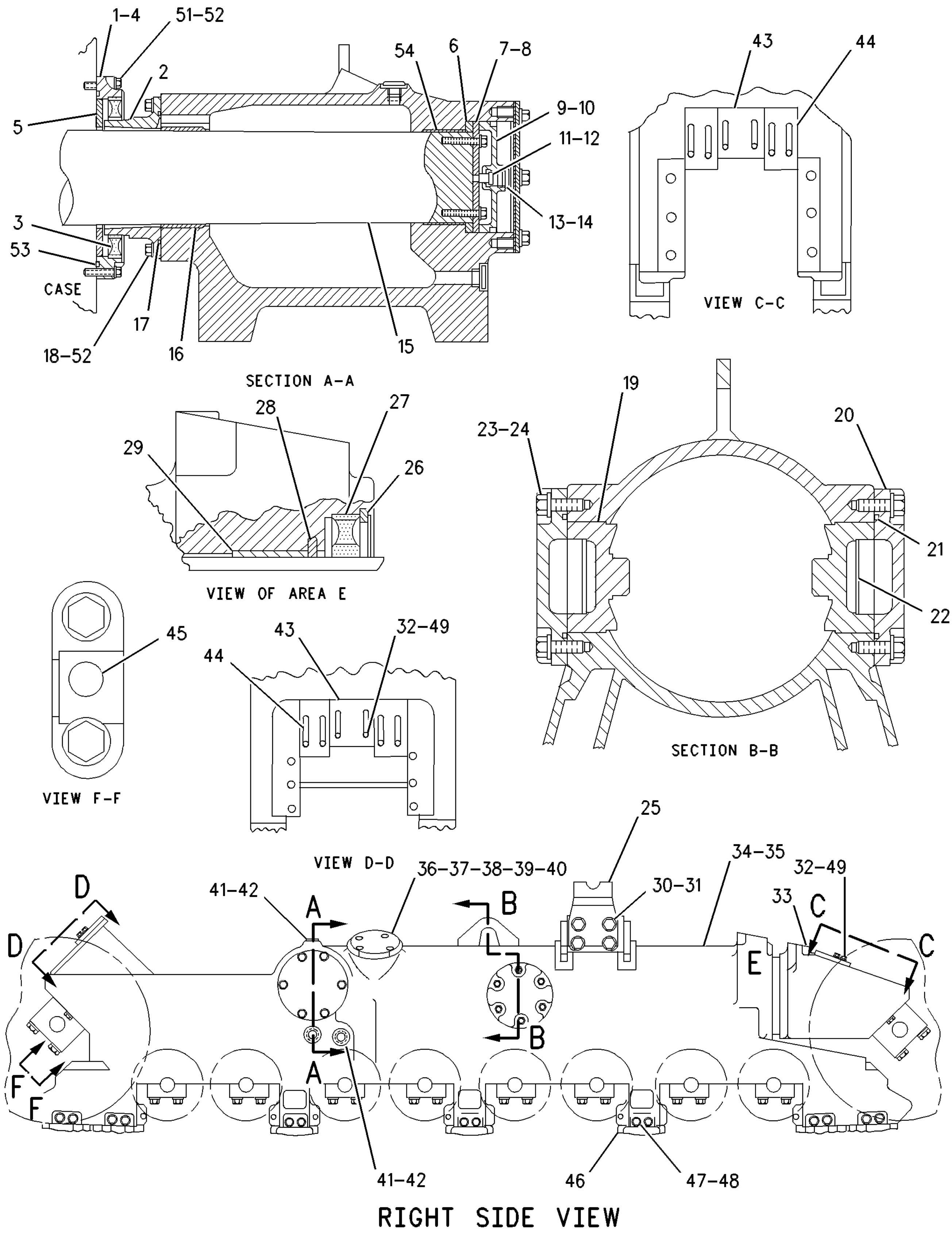
**SMCS-4151** **i01497990**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-1149** | 2 | RETAINER AS | |
| | | | | | (EACH INCLUDES) | |
| | 2 | 1 | **7T-1150** | 1 | RETAINER | |
| | 3 | 1 | **7T-1151** | 1 | SEAL AS | |
| | 4 | 1 | **7T-1152** | 1 | RETAINER | |
| | 5 | 1 | **7T-1153** | 1 | PLATE | |
| | 6 | 1 | **8E-0719** | 2 | RING-THRUST | |
| | 7 | 1 | **8E-2898** | 2 | PLATE | |
| | 8 | 1 | **8S-2331** | 24 | BOLT-12 POINT HEAD (5/8-11 X 2 IN) | |
| | 9 | 1 | **8E-2899** | 2 | PLATE | |
| | 10 | 1 | **2D-1690** | 2 | SEAL-RING | |
| | 11 | 1 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 12 | 1 | **7T-6079** | 2 | SPACER | |
| | 13 | 1 | **9S-8009** | 2 | PLUG-O-RING | |
| | 14 | 1 | **4K-1388** | 2 | SEAL-O-RING | |
| | 15 | 1 | **8E-2837** | 1 | SHAFT-PIVOT | |
| | 16 | 1 | **3T-4243** | 2 | BEARING-SLEEVE | |
| | 17 | 1 | **5P-5374** | 2 | SEAL-O-RING | |
| | 18 | 1 | **8C-4436** | 16 | BOLT (1/2-13X1.375 IN) | |
| | 19 | 1 | **6T-8801** | 4 | GUIDE AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6T-8258** | 1 | FILM-WARNING (RECOIL SPRING) | |
| | 20 | 1 | **6P-8931** | 4 | COVER | |
| | 21 | 1 | **2K-4472** | 4 | SEAL-O-RING | |
| | 22 | 1 | **6T-8258** | 4 | FILM-WARNING (RECOIL SPRING) | |
| | 23 | 1 | **8T-4122** | 24 | WASHER-HARD (17X32X3.5MM THK) | |
| | 24 | 1 | **7X-0345** | 24 | BOLT (5/8-11X1.75 IN) | |
| | 25 | 1 | **116-4794** | 4 | BRACKET AS | |
| | 26 | 1 | **9W-3301** | 2 | RING-RETAINING | |
| | 27 | 1 | **9X-4584** | 2 | SEAL AS | |
| | 28 | 1 | **3T-5898** | 2 | RING-RETAINING | |
| | 29 | 1 | **7G-7379** | 2 | BEARING | |
| | 30 | 1 | **7X-0408** | 16 | BOLT (1-8X3.50 IN) | |
| | 31 | 1 | **8T-5361** | 16 | WASHER-HARD (28X49X5MM THK) | |
| | 32 | 1 | **5P-2566** | 24 | BOLT (1/2-13X1.5 IN) | |
| | 33 | 1 | **157-3101** | 2 | FRAME AS | |
| | | 1 | **4B-4158** | 4 | SCREW-DRIVE (3/16X0.25 IN) | |
| | | 1 | **6V-2226** | 1 | PLATE-WARNING (RECOIL SPRING) | |
| | | 1 | **9W-7594** | 2 | DOWEL | |
| | | 1 | **154-9838** | 1 | SLEEVE | |
| | 34 | 1 | **119-6058** | 1 | FRAME AS-RH | |
| | 35 | 1 | **119-6059** | 1 | FRAME AS-LH | |
| | 36 | 1 | **9W-4813** | 1 | COVER AS-LH | |
| | | 1 | **5P-7179** | 2 | PLATE-WARNING (RECOIL SPRING OIL) | |
| | | 1 | **9N-1995** | 4 | RIVET-POP | |
| | 37 | 1 | **9W-2466** | 1 | COVER AS-RH | |
| | | 1 | **5P-7179** | 2 | PLATE-WARNING (RECOIL SPRING OIL) | |
| | | 1 | **9N-1995** | 4 | RIVET-POP | |
| | 38 | 1 | **9M-3786** | 2 | SEAL-O-RING | |
| | 39 | 1 | **4L-6454** | 8 | BOLT (3/8-16X1 IN) | |
| | 40 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 41 | 1 | **4T-2069** | 6 | PLUG-DRAIN | |
| | 42 | 1 | **2H-3932** | 6 | SEAL-O-RING | |
| | 43 | 1 | **9W-7587** | 4 | PLATE | |
| | 44 | 1 | **9W-7586** | 8 | PLATE | |
| | 45 | 1 | **9W-7594** | 4 | DOWEL | |

## *157-3110* **FRAME GP-TELESCOPING RECOIL** *(contd.)* **i01497990**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 46 | 1 | **184-4395** | 28 | GUIDE | |
| | 47 | 1 | **8C-6857** | 56 | BOLT (3/4-10X2.75 IN) | |
| | 49 | 1 | **8T-4994** | 56 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 50 | 1 | **5P-1076** | 24 | WASHER-HARD (13.5X30X4MM THK) | |
| | 51 | 1 | **5P-2424** | 16 | BOLT (1/2-13X2.25 IN) | |
| | 52 | 1 | **8T-4223** | 32 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 53 | 1 | **6V-3263** | 2 | SEAL-O-RING | |
| | 54 | 1 | **3T-4244** | 2 | BEARING-SLEEVE | |

*157-3110* **FRAME GP-TELESCOPING RECOIL** ***(contd.)*** **i01497990**




GRAPHIC #1 g00545910

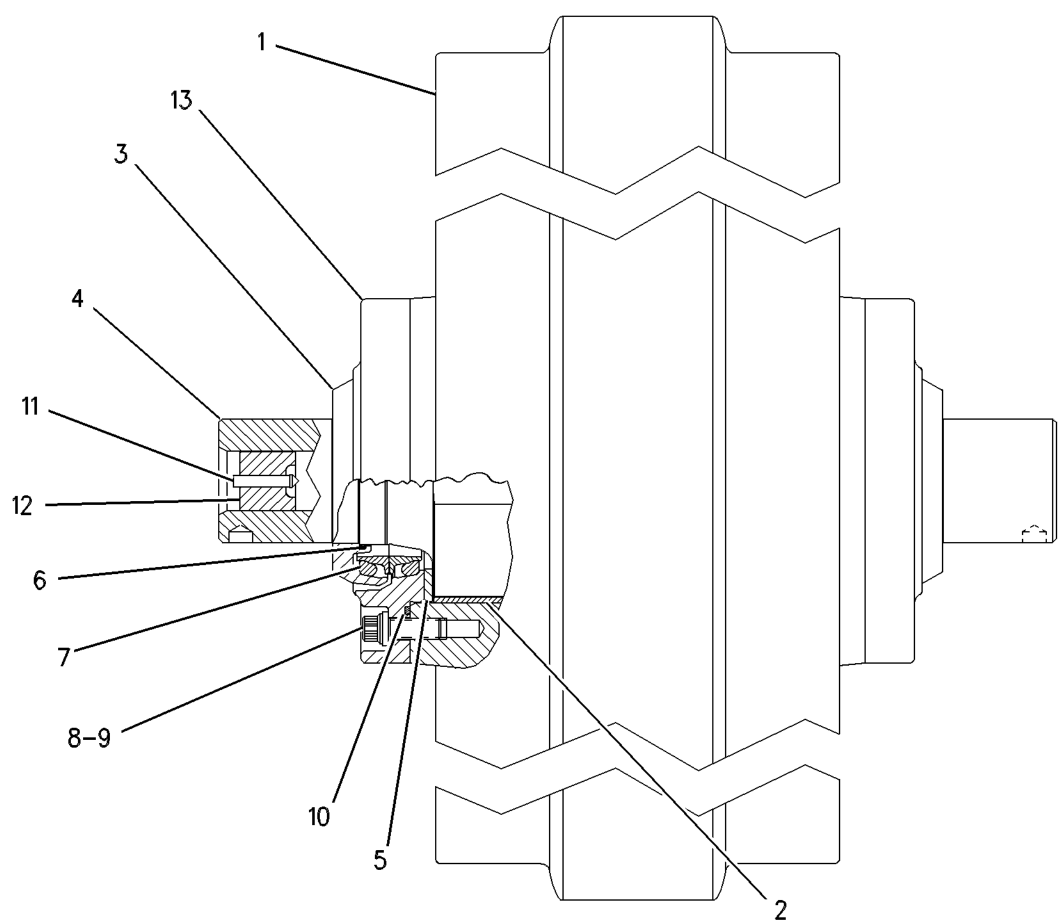
# 111-1729 IDLER GP-TRACK

**S/N: AKA1-UP**

**PART OF 156-5684, 157-8036, 157-8037 UNDERCARRIAGE AR**

**SMCS-4159** **i01205348**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-0553** | 1 | IDLER & BEARING AS | |
| | 2 | 1 | **154-3298** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **107-3947** | 2 | COLLAR-SEAL | |
| | 4 | 1 | **154-3307** | 1 | SHAFT-TRACK IDLER | |
| | 5 | 1 | **8E-6619** | 2 | WASHER-THRUST | |
| | 6 | 1 | **107-4057** | 2 | SEAL-O-RING (67.94MM ID) | |
| | 7 | 1 | **162-7863** | 2 | SEAL GP-DUO-CONE | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **162-2167** | 2 | RING-TORIC | |
| | 8 | 1 | **3K-6113** | 24 | WASHER-HARD (3MM THK) | |
| | 9 | 1 | **5P-2546** | 24 | BOLT-12 POINT HEAD (7/16-14X1.25IN) | |
| | 10 | 1 | **8F-9516** | 2 | SEAL-O-RING (139.29MM ID) | |
| | 11 | 1 | **6Y-0473** | 1 | PLUG | |
| | 12 | 1 | **9G-4872** | 1 | STOPPER-RUBBER | |
| | 13 | 1 | **107-3946** | 2 | RETAINER | |




GRAPHIC #1

g00595334

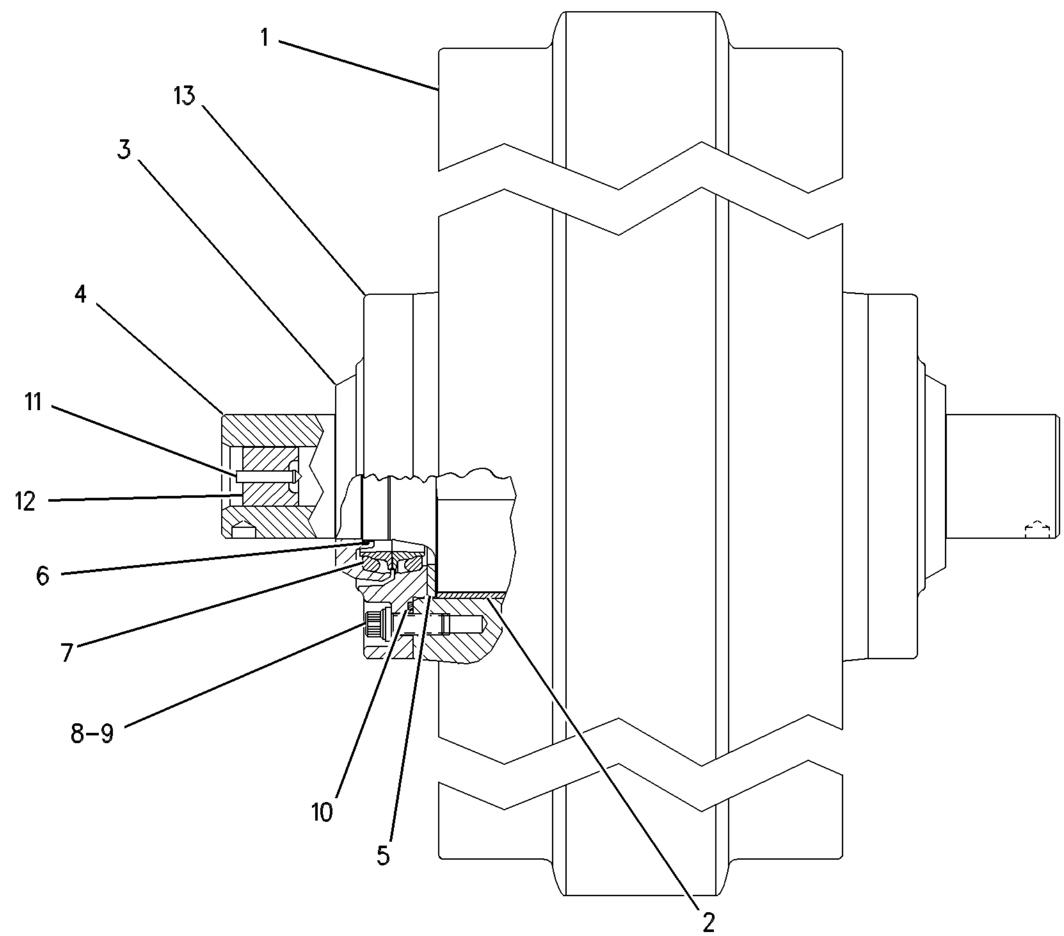
# 111-1730 IDLER GP-TRACK

**S/N: AKA1-UP**

**PART OF 156-5684 UNDERCARRIAGE AR**

**SMCS-4159** **i01205359**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-0556** | 1 | IDLER & BEARING AS | |
| | 2 | 1 | **154-3298** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **107-3947** | 2 | COLLAR-SEAL | |
| | 4 | 1 | **154-3307** | 1 | SHAFT-TRACK IDLER | |
| | 5 | 1 | **8E-6619** | 2 | WASHER-THRUST | |
| | 6 | 1 | **107-4057** | 2 | SEAL-O-RING (67.94MM ID) | |
| | 7 | 1 | **162-7863** | 2 | SEAL GP-DUO-CONE | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **162-2167** | 2 | RING-TORIC | |
| | 8 | 1 | **3K-6113** | 24 | WASHER-HARD (3MM THK) | |
| | 9 | 1 | **5P-2546** | 24 | BOLT-12 POINT HEAD (7/16-14X1.25IN) | |
| | 10 | 1 | **8F-9516** | 2 | SEAL-O-RING (139.29MM ID) | |
| | 11 | 1 | **6Y-0473** | 1 | PLUG | |
| | 12 | 1 | **9G-4872** | 1 | STOPPER-RUBBER | |
| | 13 | 1 | **107-3946** | 2 | RETAINER | |




GRAPHIC #1 g00595202

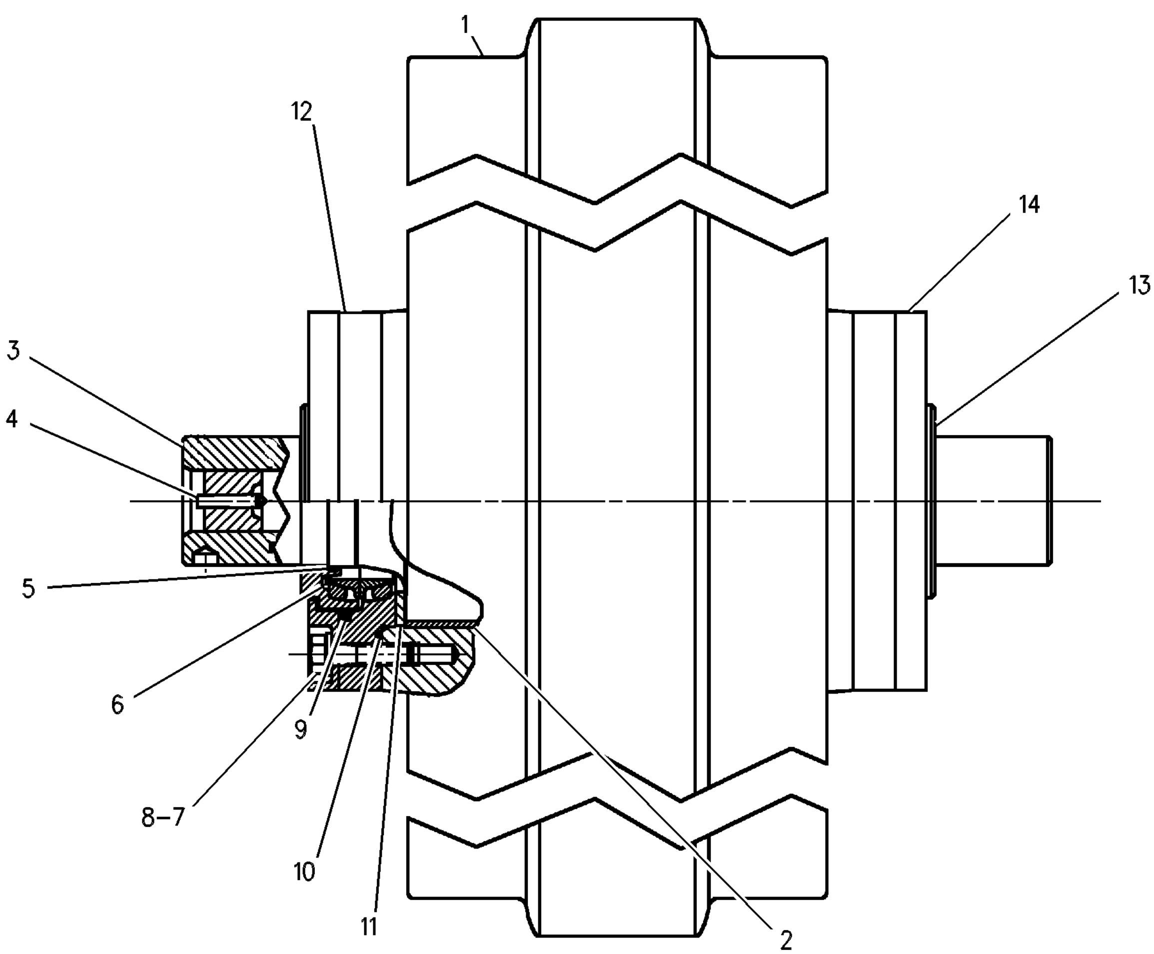
# 166-3323 IDLER GP-TRACK

**S/N: AKA1-UP**

**PART OF 166-4428 GUARD AR-IDLER**

**SMCS-4159** **i01442724**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-0556** | 1 | IDLER & BEARING AS | |
| | 2 | 1 | **154-3298** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **154-3307** | 1 | SHAFT-TRACK IDLER | |
| | 4 | 1 | **6Y-0473** | 1 | PLUG-CLEAR | |
| | | 1 | **9G-4872** | 1 | STOPPER-RUBBER | |
| | 5 | 1 | **107-4057** | 2 | SEAL-O-RING | |
| | 6 | 1 | **162-7863** | 2 | SEAL GP-DUO-CONE | |
| | | 1 | **162-2167** | 2 | RING-TORIC | |
| | 7 | 1 | **8C-6877** | 24 | BOLT (7/16-14X1.75 IN) | |
| | 8 | 1 | **8T-5360** | 24 | WASHER (12X22.5X2.5MM THK) | |
| | 9 | 1 | **166-3322** | 2 | SEAL | |
| | 10 | 1 | **8F-9516** | 2 | SEAL-O-RING | |
| | 11 | 1 | **8E-6619** | 2 | WASHER-THRUST | |
| | 12 | 1 | **166-3320** | 2 | RETAINER | |
| | 13 | 1 | **166-3321** | 2 | COLLAR-SEAL | |
| | 14 | 1 | **166-3324** | 2 | PLATE | |




GRAPHIC #1

g00563149

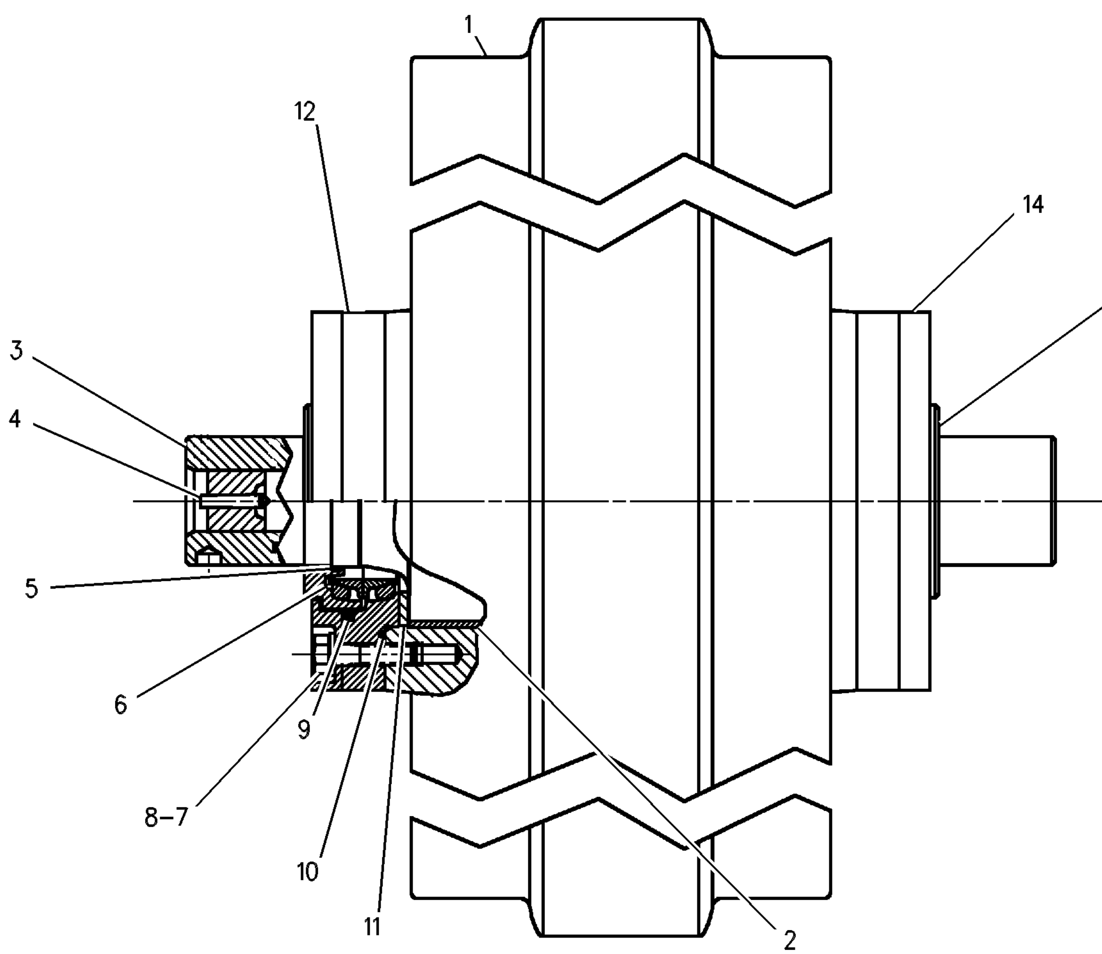
# 166-4420 IDLER GP-TRACK

**S/N: AKA1-UP**

**PART OF 166-4427, 166-4428 GUARD AR-IDLER**

**SMCS-4159** **i01442734**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-0553** | 1 | IDLER & BEARING AS | |
| | 2 | 1 | **154-3298** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **154-3307** | 1 | SHAFT-TRACK IDLER | |
| | 4 | 1 | **6Y-0473** | 1 | PLUG-CLEAR | |
| | | 1 | **9G-4872** | 1 | STOPPER-RUBBER | |
| | 5 | 1 | **107-4057** | 2 | SEAL-O-RING | |
| | 6 | 1 | **162-7863** | 2 | SEAL GP-DUO-CONE | |
| | 7 | 1 | **8C-6877** | 24 | BOLT (7/16-14X1.75 IN) | |
| | 8 | 1 | **8T-5360** | 24 | WASHER (12X22.5X2.5MM THK) | |
| | 9 | 1 | **166-3322** | 2 | SEAL | |
| | 10 | 1 | **8F-9516** | 2 | SEAL-O-RING | |
| | 11 | 1 | **8E-6619** | 2 | WASHER-THRUST | |
| | 12 | 1 | **166-3320** | 2 | RETAINER | |
| | 13 | 1 | **166-3321** | 2 | COLLAR-SEAL | |
| | 14 | 1 | **166-3324** | 2 | PLATE | |




GRAPHIC #1 g00563196

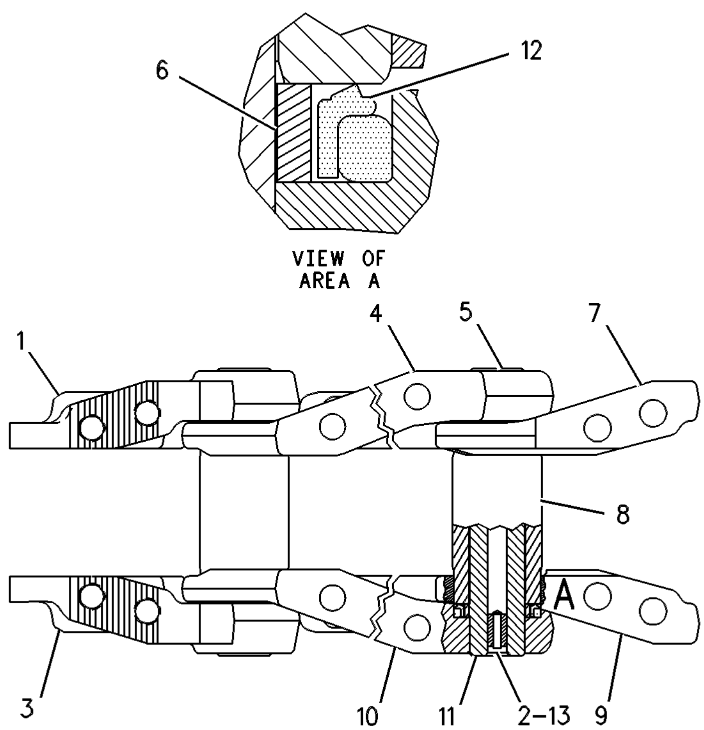
# 8E-4518 LINK AS-TRACK

S/N: AKA1-UP

PART OF 1Q-4675, 6Y-4124, 8E-7696, 8E-7697, 8E-7698, 8E-7699, 8E-7700 TRACK GP

SMCS-4169, 4171 i00832231

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-4060** | 1 | LINK-PIN END-LH | |
| | 2 | 1 | **6Y-0473** | 44 | PLUG | |
| | 3 | 1 | **8E-4059** | 1 | LINK-PIN END-RH | |
| | 4 | 1 | **8E-4506** | 43 | LINK-TRACK-LH | |
| | 5 | 1 | **9P-2251** | 43 | PIN-TRACK | |
| | 6 | 1 | **152-8073** | 88 | RING-THRUST | |
| | 7 | 1 | **8E-4458** | 1 | LINK-BUSHING END | |
| | 8 | 1 | **6Y-3914** | 44 | BUSHING-TERMINAL | |
| | 9 | 1 | **8E-4457** | 1 | LINK-BUSHING END | |
| | 10 | 1 | **8E-4505** | 43 | LINK-TRACK-RH | |
| | 11 | 1 | **9W-5588** | 1 | PIN-TRACK | |
| | | 1 | **3T-9118** | 2 | RING-RETAINING | |
| | 12 | 1 | **8E-9648** | 88 | SEAL AS | |
| | 13 | 1 | **7G-4332** | 44 | STOPPER | |




GRAPHIC #1 g00272905

# *159-6019* LUBRICATION GP-PIVOT SHAFT

**S/N: AKA1-UP**

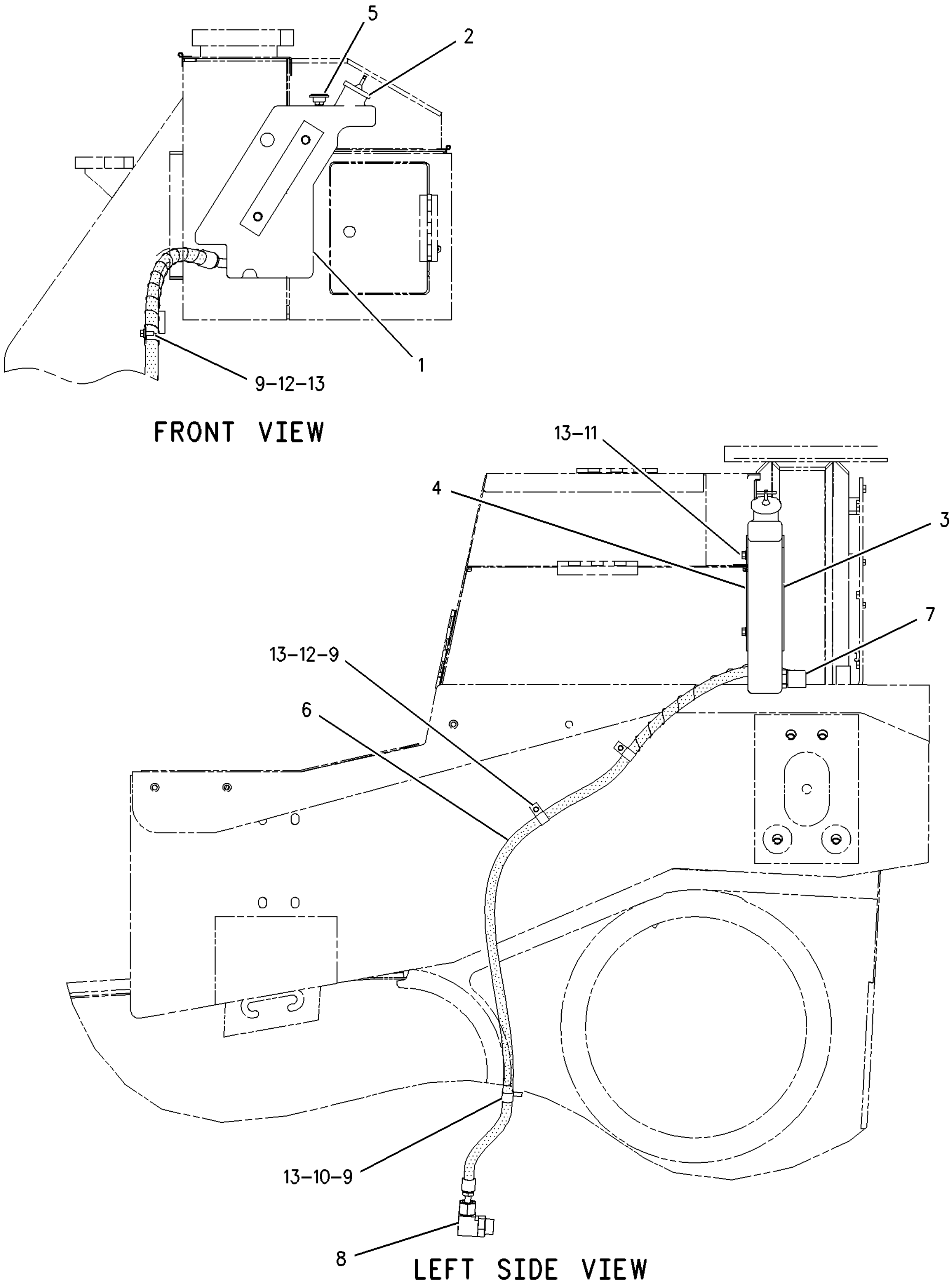
**PART OF 157-0819 CHASSIS AR**

**SMCS-3286** **i01486702**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-2931** | 1 | BOTTLE | |
| | 2 | 1 | **8E-3410** | 1 | CAP AS-OIL LEVEL | |
| | 3 | 1 | **8E-3696** | 1 | SUPPORT AS | |
| | | 1 | **2R-1694** | 2 | SPACER | |
| | 4 | 1 | **8E-3698** | 2 | PAD | |
| | 5 | 1 | **9G-5127** | 1 | BREATHER | |
| I | 6 | 1 | **168-7035** | 1 | HOSE AS | |
| | 7 | 1 | *148-8347* | 1 | ELBOW GP | |
| | | 1 | **3D-2824** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9007** | 1 | ELBOW | |
| | 8 | 1 | *148-8360* | 1 | ELBOW GP | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9182** | 1 | ELBOW | |
| | | 1 | **6V-9182** | 1 | ELBOW | |
| | 9 | 1 | **1S-0994** | 3 | CLIP | |
| | 10 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 11 | 1 | **5M-3062** | 2 | BOLT (3/8-16X0.75 IN) | |
| | 12 | 1 | **5S-7379** | 2 | BOLT (3/8-16X0.875 IN) | |
| | 13 | 1 | **8T-4896** | 5 | WASHER-HARD (10.2X18.5X2.5MM THK) | |

I-SEE HOSE FABRICATION GUIDE

*159-6019* **LUBRICATION GP-PIVOT SHAFT** *(contd.)* **i01486702**




GRAPHIC #1

g00769485

# *180-3489* ROLLER AR–CARRIER

**S/N: AKA1-UP**

**GUARD READY**

**SMCS-4180** **i01489052**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *6T-1142* | 4 | CAP GP-TRACK ROLLER | 468 |
| Y | **196-9947** | 2 | ROLLER GP-TRACK-SINGLE FLANGE | 494 |
| | | | | |
| | **7X-0408** | 16 | BOLT (1-8X3.50 IN) | |
| | **116-4794** | 4 | BRACKET AS | |
| | **175-3637** | 1 | FRAME AS-ROLLER | |
| | **175-3638** | 1 | FRAME AS-ROLLER | |
| | **8T-5361** | 16 | WASHER-HARD (28X49X5MM THK) | |

Y-SEPARATE ILLUSTRATION

# 196-9946 ROLLER GP-TRACK-DOUBLE FLANGE

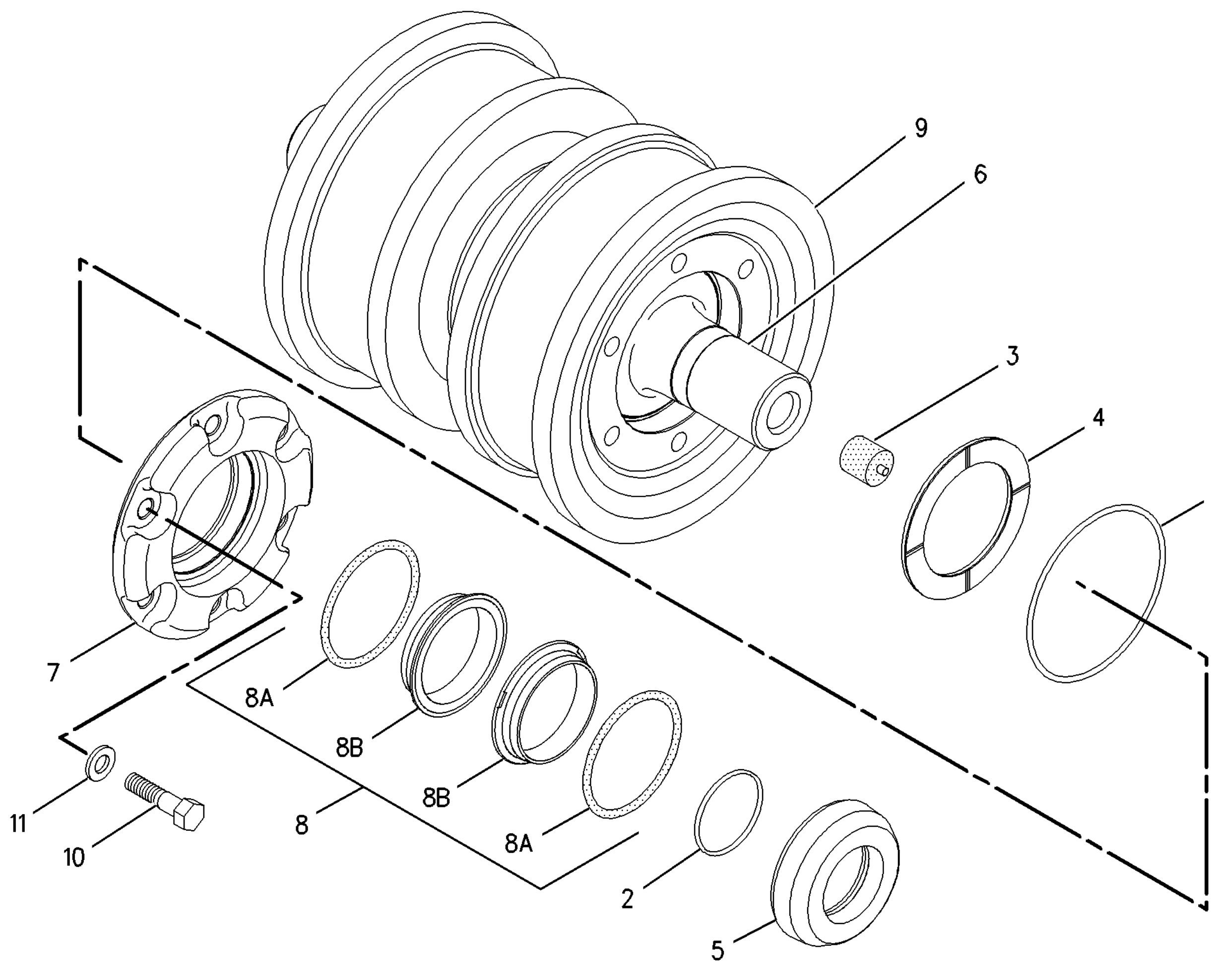
**S/N: AKA1-UP**

**PART OF 156-5684, 157-8036, 157-8037 UNDERCARRIAGE AR**

**SMCS-4180** **i01486674**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5F-3106** | 2 | SEAL-O-RING | |
| | 2 | 1 | **7J-2036** | 2 | SEAL-O-RING | |
| | 3 | 1 | **9G-5664** | 1 | STOPPER-RUBBER | |
| | | 1 | **6Y-0473** | 1 | PLUG-CLEAR | |
| | 4 | 1 | **8E-7510** | 2 | WASHER-THRUST | |
| | 5 | 1 | **107-3945** | 2 | COLLAR-SEAL | |
| | 6 | 1 | **107-8084** | 1 | SHAFT-TRACK ROLLER | |
| | 7 | 1 | **107-8085** | 2 | RETAINER | |
| | 8 | 1 | **162-7862** | 2 | SEAL GP-DUO-CONE | |
| | | | | | (EACH INCLUDES) | |
| | 8A | 1 | **162-2166** | 2 | RING-TORIC | |
| Z | 8B | 1 | | 2 | SEAL-RING | |
| | 9 | 1 | **196-9948** | 1 | ROLLER & BEARING AS | |
| | | 1 | **9W-9844** | 2 | BEARING-SLEEVE | |
| | 10 | 1 | **1A-1460** | 12 | BOLT (1/2-13X2 IN) | |
| | 11 | 1 | **5P-8245** | 12 | WASHER-HARD (13.5X25.5X3MM THK) | |

Z-NOT SERVICED SEPARATELY




GRAPHIC #1

g00767716

# 196-9947 ROLLER GP-TRACK-SINGLE FLANGE

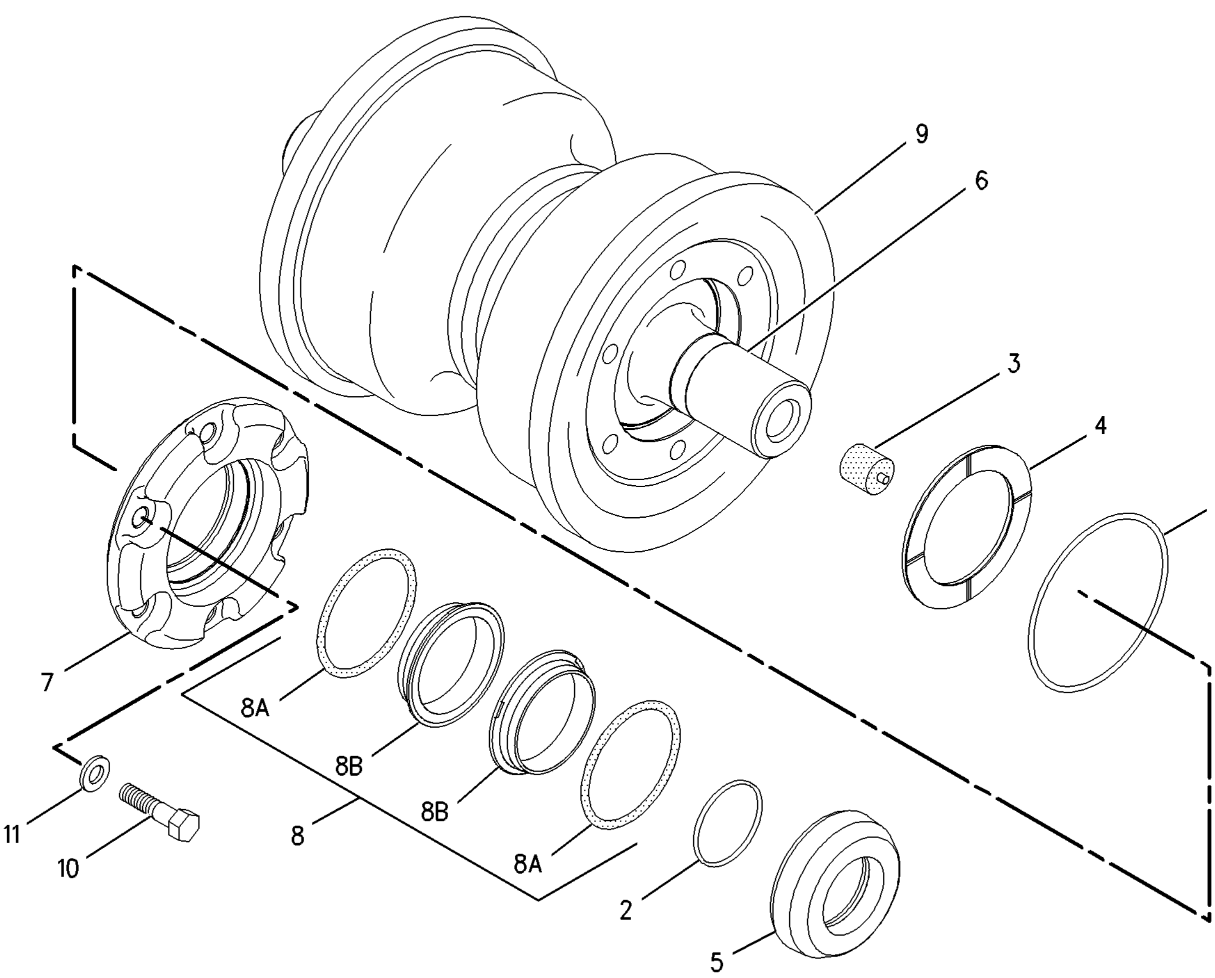
**S/N: AKA1-UP**

**PART OF 180-3489 ROLLER AR, 156-5684, 157-8037 UNDERCARRIAGE AR**

**SMCS-4180** **i01486675**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5F-3106** | 2 | SEAL-O-RING | |
| | 2 | 1 | **7J-2036** | 2 | SEAL-O-RING | |
| | 3 | 1 | **9G-5664** | 1 | STOPPER-RUBBER | |
| | | 1 | **6Y-0473** | 1 | PLUG-CLEAR | |
| | 4 | 1 | **8E-7510** | 2 | WASHER-THRUST | |
| | 5 | 1 | **107-3945** | 2 | COLLAR-SEAL | |
| | 6 | 1 | **107-8084** | 1 | SHAFT-TRACK ROLLER | |
| | 7 | 1 | **107-8085** | 2 | RETAINER | |
| | 8 | 1 | **162-7862** | 2 | SEAL GP-DUO-CONE | |
| | | | | | (EACH INCLUDES) | |
| | 8A | 1 | **162-2166** | 2 | RING-TORIC | |
| Z | 8B | 1 | | 2 | SEAL-RING | |
| | 9 | 1 | **196-9949** | 1 | ROLLER & BEARING AS | |
| | | 1 | **9W-9844** | 2 | BEARING-SLEEVE | |
| | 10 | 1 | **1A-1460** | 12 | BOLT (1/2-13X2 IN) | |
| | 11 | 1 | **5P-8245** | 12 | WASHER-HARD (13.5X25.5X3MM THK) | |

Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00767772

# MEMORANDA

# 7T-2540 SUSPENSION GP-BOGIE

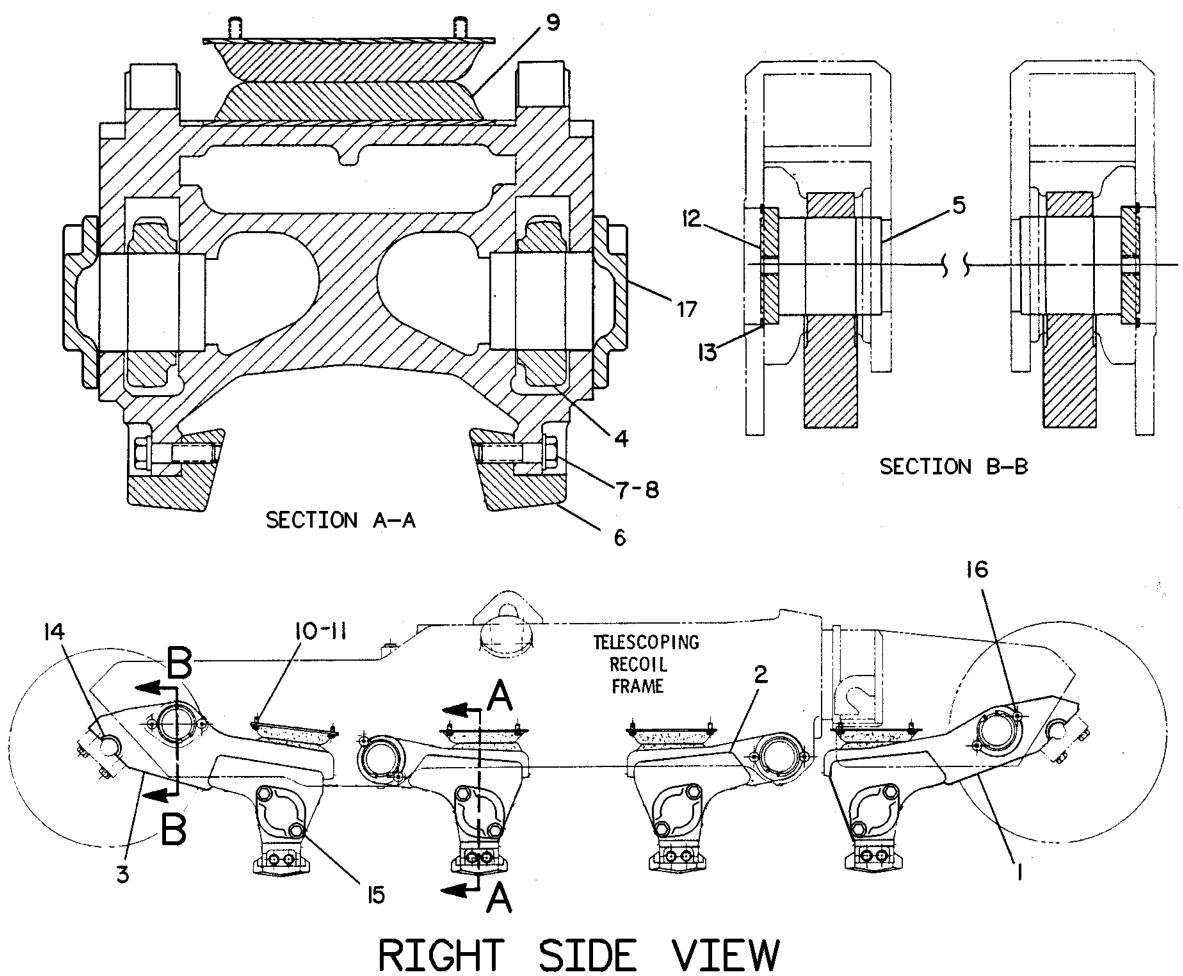
S/N: AKA1-UP

PART OF 156-5684 UNDERCARRIAGE AR

SMCS-7217 i01497185

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-7417** | 2 | BOGIE AS-FRONT | |
| | 2 | 1 | **7T-4697** | 4 | BOGIE AS-MIDDLE | |
| | 3 | 1 | **9W-7416** | 2 | BOGIE AS-REAR | |
| | 4 | 1 | **7T-8555** | 16 | BOGIE-MINOR | |
| | 5 | 1 | **7T-9307** | 32 | PIN AS-CARTRIDGE | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **9G-4872** | 2 | STOPPER-RUBBER | |
| | | 1 | **6Y-0473** | 2 | PLUG-CLEAR | |
| | 6 | 1 | **184-4395** | 16 | GUIDE | |
| | 7 | 1 | **8C-6857** | 32 | BOLT (3/4-10X2.75 IN) | |
| | 8 | 1 | **8T-4994** | 32 | WASHER-HARD (20X36.5X3.5MM THK) | |
| | 9 | 1 | **7T-4700** | 16 | PAD AS-RESILIENT | |
| | 10 | 1 | **7X-0307** | 64 | BOLT (7/16-14X.750IN) | |
| | 11 | 1 | **8T-5360** | 64 | WASHER (12X22.5X2.5MM THK) | |
| | 12 | 1 | **7G-5221** | 16 | PLATE-RETAINER | |
| | 13 | 1 | **067-3161** | 16 | RING-RETAINING | |
| C | 14 | 1 | **9W-4481** | 8 | INSERT | |
| | 15 | 1 | **8S-4755** | 32 | BOLT (1-14X1.5IN) | |
| | 16 | 1 | **9G-7516** | 32 | PLUG | |
| | 17 | 1 | **9P-7823** | 16 | COVER | |

C-CHANGE FROM PREVIOUS TYPE




GRAPHIC #1 g00220606

# *154-3325* TRACK ADJUSTER & RECOIL GP

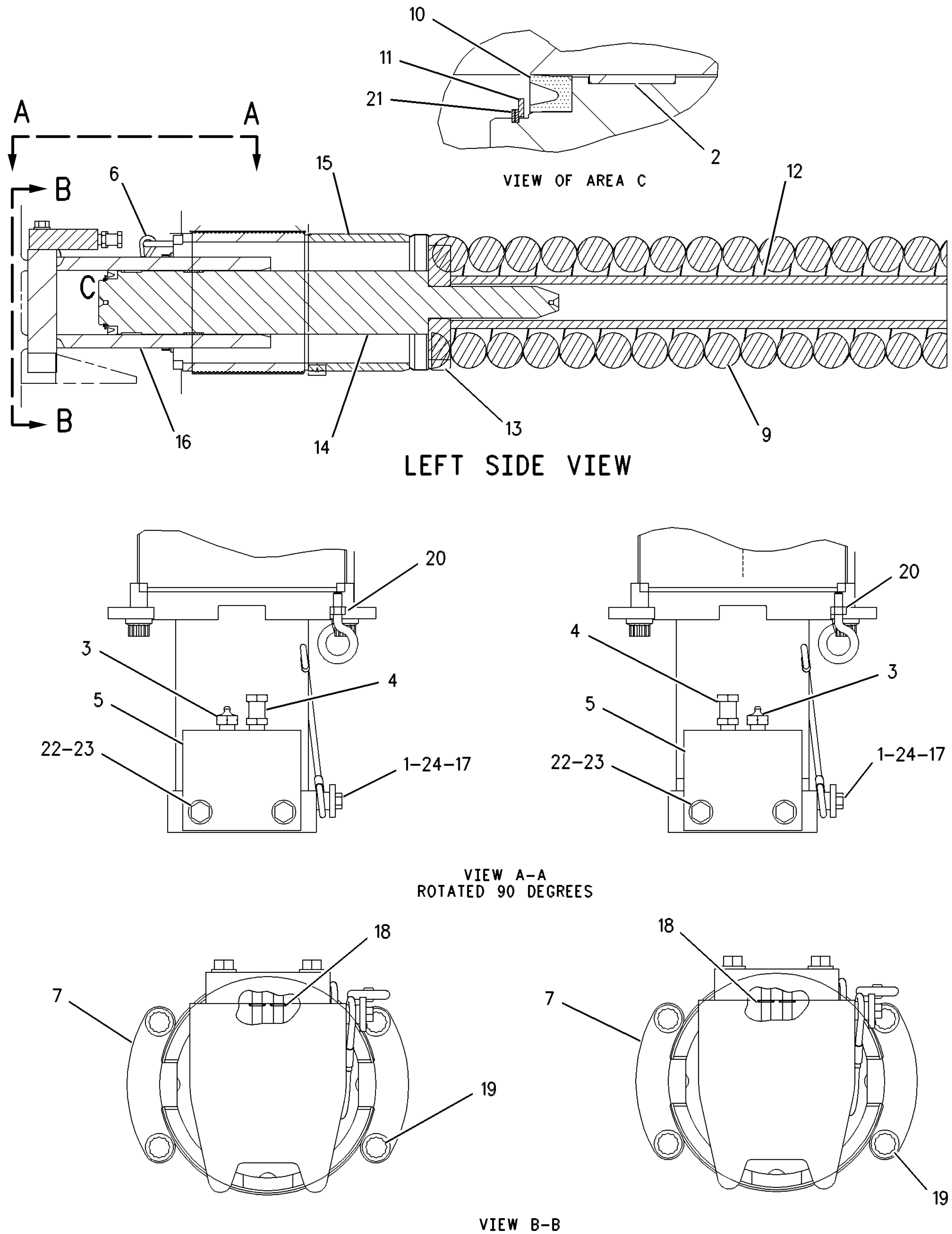
**S/N: AKA1-UP**

**PART OF 156-5684, 157-8036, 157-8037 UNDERCARRIAGE AR**

**SMCS-4157, 4158** **i01429829**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1L-5081** | 2 | SPACER (13/32X3/4X9/16 IN THK) | |
| | 2 | 1 | **1M-1571** | 4 | RING-WEAR | |
| | 3 | 1 | **2S-5925** | 2 | VALVE (FILL) | |
| | 4 | 1 | **2S-5926** | 2 | VALVE (RELIEF) | |
| | 5 | 1 | **7T-4200** | 2 | COVER | |
| | 6 | 1 | **7T-4209** | 2 | CABLE AS | |
| | | 1 | **1P-7405** | 1 | EYEBOLT | |
| | 7 | 1 | **7T-4213** | 4 | STOP | |
| | 8 | 1 | **7T-4214** | 2 | RETAINER | |
| | 9 | 1 | **7T-4616** | 2 | SPRING | |
| | 10 | 1 | **8T-2185** | 2 | SEAL-U-CUP | |
| | 11 | 1 | **9W-6074** | 2 | RETAINER | |
| | 12 | 1 | **104-6371** | 2 | TUBE | |
| | 13 | 1 | **104-6372** | 2 | PLATE | |
| | 14 | 1 | **104-6374** | 2 | PISTON | |
| | 15 | 1 | **154-3326** | 2 | SPACER | |
| | 16 | 1 | **154-3327** | 2 | CYLINDER AS | |
| | | 1 | **154-3329** | | SLEEVE | |
| | 17 | 1 | **5S-7382** | 2 | BOLT (3/8-16X1.375 IN) | |
| | 18 | 1 | **6J-1038** | 4 | SEAL-O-RING (15.47MM ID) | |
| | 19 | 1 | **6J-3991** | 8 | BOLT-12 POINT HEAD | |
| | 20 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |
| | 21 | 1 | **8H-8830** | 2 | RING-RETAINING | |
| | 22 | 1 | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 23 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |
| | 24 | 1 | **8T-4897** | 2 | WASHER (10.2X35X6MM THK) | |

*154-3325* **TRACK ADJUSTER & RECOIL GP** ***(contd.)*** **i01429829**




GRAPHIC #1

g00517392

# *1Q-4675* TRACK GP—2 REQUIRED

**S/N: AKA1-UP**

**660MM (26 IN.) GROUSER SHOE. SEALED & LUBRICATED-EXTREME SERVICE-TRAPEZOIDAL**

**SMCS-4170** **i01440220**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | | | | |
| | **6V-1723** | 172 | BOLT-TRACK (7/8-14X3.42 IN) | |
| | **6V-1724** | 2 | BOLT-MASTER TRACK (7/8-14X3.78 IN) | |
| | **6V-1725** | 2 | BOLT-MASTER TRACK (7/8-14X5.08 IN) | |
| | **7G-6442** | 172 | NUT-TRACK (7/8-14 THD) | |
| | **9W-5541** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

# 6Y-4124 TRACK GP—2 REQUIRED

**S/N: AKA1-UP**

**610 MM (24 IN) GROUSER SHOE. SEALED & LUBRICATED-EXTREME SERVICE**

**SMCS-4170** **i00570525**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **6V-1724** | 2 | BOLT-MASTER TRACK | |
| | **6V-1725** | 1 | BOLT-MASTER TRACK | |
| | **6V-1723** | 172 | BOLT-TRACK | |
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | **7G-6442** | 172 | NUT-TRACK | |
| | **7T-2392** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

# *8E-7696* TRACK GP–2 REQUIRED

**S/N: AKA1-UP**

**560MM (22 IN) GROUSER SHOE. SEALED & LUBRICATED-MODERATE SERVICE**

**PART OF 156-5684 UNDERCARRIAGE AR**

**SMCS-4170** **i00570979**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | **6V-1723** | 172 | BOLT-TRACK | |
| | **6V-1724** | 2 | BOLT-MASTER TRACK | |
| | **6V-1725** | 2 | BOLT-MASTER TRACK | |
| | **7G-6442** | 172 | NUT-TRACK | |
| | **7G-6448** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

## *8E-7697* TRACK GP—2 REQUIRED.

**S/N: AKA1-UP**

**610 MM (24 IN) GROUSER SHOE. SEALED & LUBRICATED.**

**SMCS-4170** **i00686603**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | **6V-1724** | 2 | BOLT-MASTER TRACK | |
| | **6V-1725** | 2 | BOLT-MASTER TRACK | |
| | **6V-1723** | 172 | BOLT-TRACK | |
| | **7G-6442** | 172 | NUT-TRACK | |
| | **9P-2661** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

## *8E-7698* TRACK GP

**S/N: AKA1-UP**

**660MM (26 IN.) GROUSER SHOE. SEALED & LUBRICATED, MODERATE SERVICE**

**SMCS-4170** **i01357807**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | | | | |
| | **6V-1724** | 2 | BOLT-MASTER TRACK | |
| | **6V-1725** | 2 | BOLT-MASTER TRACK | |
| | **6V-1723** | 172 | BOLT-TRACK (7/8-14X3.42 IN) | |
| | **7G-6442** | 172 | NUT-TRACK | |
| | **9P-2665** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

# *8E-7699* TRACK GP

**S/N: AKA1-UP**

**710MM (28 IN.)GROUSER SHOE. SEALED & LUBRICATED, MODERATE SERVICE**

**SMCS-4170** **i01357849**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | | | | |
| | **6V-1724** | 2 | BOLT-MASTER TRACK (7/8-14X3.78 IN) | |
| | **6V-1725** | 2 | BOLT-MASTER TRACK (7/8-14X5.08 IN) | |
| | **6V-1723** | 172 | BOLT-TRACK (7/8-14X3.42 IN) | |
| | **7G-6442** | 172 | NUT-TRACK (7/8-14 THD) | |
| | **7G-6454** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

## *8E-7700* TRACK GP—2 REQUIRED

S/N: AKA1-UP

560MM (22 IN) GROUSER SHOE. SEALED & LUBRICATED -EXTREME SERVICE

SMCS-4170 i00570984

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-4518** | 1 | LINK AS-TRACK | 489 |
| | **6V-1723** | 172 | BOLT-TRACK | |
| | **6V-1724** | 2 | BOLT-MASTER TRACK | |
| | **6V-1725** | 2 | BOLT-MASTER TRACK | |
| | **7G-6442** | 172 | NUT-TRACK | |
| | **7T-2390** | 44 | SHOE-TRACK | |

Y-SEPARATE ILLUSTRATION

# *156-5684* UNDERCARRIAGE AR

**S/N: AKA1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-4150** **i01486670**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *9W-4477* | 8 | CAP GP-TRACK IDLER | 465 |
| Y | *6T-1142* | 32 | CAP GP-TRACK ROLLER | 468 |
| Y | *127-8779* | 1 | EQUALIZER BAR GP | 472 |
| Y | *156-5685* | 1 | FRAME GP-TELESCOPING RECOIL | 476 |
| Y | **111-1729** | 2 | IDLER GP-TRACK | 485 |
| Y | **111-1730** | 2 | IDLER GP-TRACK | 486 |
| Y | **196-9946** | 8 | ROLLER GP-TRACK-DOUBLE FLANGE | 493 |
| Y | **196-9947** | 8 | ROLLER GP-TRACK-SINGLE FLANGE | 494 |
| Y | *7T-2540* | 1 | SUSPENSION GP-BOGIE | 496 |
| Y | *154-3325* | 1 | TRACK ADJUSTER & RECOIL GP | 498 |
| Y | *8E-7696* | 2 | TRACK GP | 502 |

Y-SEPARATE ILLUSTRATION

# *157-8036* UNDERCARRIAGE AR

**S/N: AKA1-UP**

**NON-SUSPENDED**

**CANNOT BE USED WITH CARRIER ROLLERS**

**SMCS-4150** **i01488618**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *9W-9205* | 4 | CAP GP-TRACK IDLER | 466 |
| Y | *9W-9206* | 4 | CAP GP-TRACK IDLER | 467 |
| Y | *126-4233* | 32 | CAP GP-TRACK ROLLER | 469 |
| Y | *127-8779* | 1 | EQUALIZER BAR GP | 472 |
| Y | *157-3100* | 1 | FRAME GP-TELESCOPING RECOIL | 478 |
| Y | **111-1729** | 4 | IDLER GP-TRACK | 485 |
| Y | **196-9946** | 16 | ROLLER GP-TRACK-DOUBLE FLANGE | 493 |
| Y | *154-3325* | 1 | TRACK ADJUSTER & RECOIL GP | 498 |

Y-SEPARATE ILLUSTRATION

# UNDERCARRIAGE

## *157-8037* UNDERCARRIAGE AR

**S/N: AKA1-UP**

**SMCS-4150** **i01488632**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *9W-9205* | 4 | CAP GP-TRACK IDLER | 466 |
| Y | *9W-9206* | 4 | CAP GP-TRACK IDLER | 467 |
| Y | *6T-1142* | 4 | CAP GP-TRACK ROLLER | 468 |
| Y | *126-4233* | 32 | CAP GP-TRACK ROLLER | 469 |
| Y | *127-8779* | 1 | EQUALIZER BAR GP | 472 |
| Y | *157-3110* | 1 | FRAME GP-TELESCOPING RECOIL | 482 |
| Y | **111-1729** | 4 | IDLER GP-TRACK | 485 |
| Y | **196-9946** | 16 | ROLLER GP-TRACK-DOUBLE FLANGE | 493 |
| Y | **196-9947** | 2 | ROLLER GP-TRACK-SINGLE FLANGE | 494 |
| Y | *154-3325* | 1 | TRACK ADJUSTER & RECOIL GP | 498 |

Y-SEPARATE ILLUSTRATION

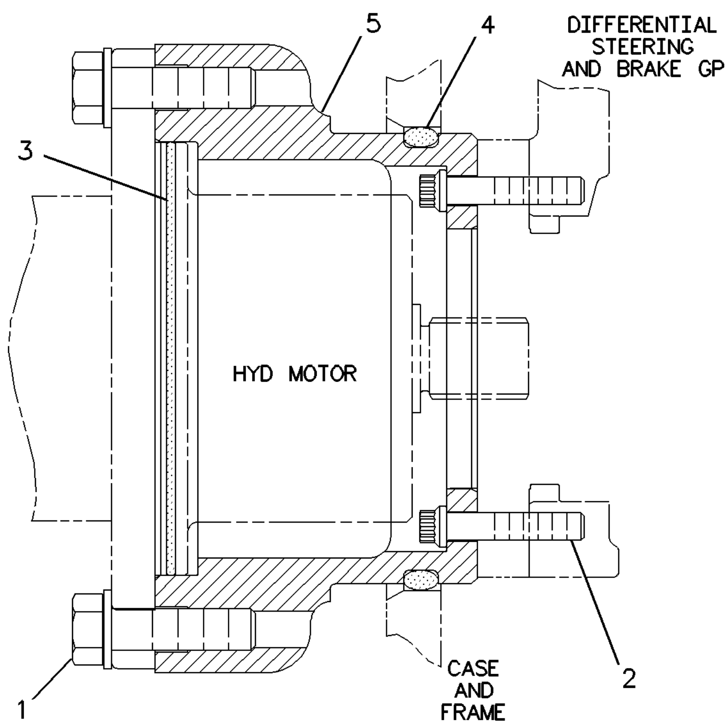
# *6Y-3526* ADAPTER GP-MOTOR

**S/N: AKA1-UP**

**PART OF 157-0822 STEERING AR-HYDRAULIC**

**SMCS-5058** **i01066078**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8C-6857** | 2 | BOLT (3/4-10X2.75IN) | |
| | | 1 | **8T-4994** | 2 | WASHER (5MM THK) | |
| | 2 | 1 | **7K-6058** | 6 | BOLT-12 POINT HEAD (1/2-13X2.5IN) | |
| | 3 | 1 | **5J-2383** | 1 | SEAL-O-RING (190.09MM ID) | |
| | 4 | 1 | **3N-0759** | 1 | RING-SEALING | |
| | 5 | 1 | **6Y-3988** | 1 | ADAPTER | |




GRAPHIC #1

g00215772

# MEMORANDA

# *107-3881* CONTROL GP-PARKING BRAKE

**S/N: AKA1-UP**

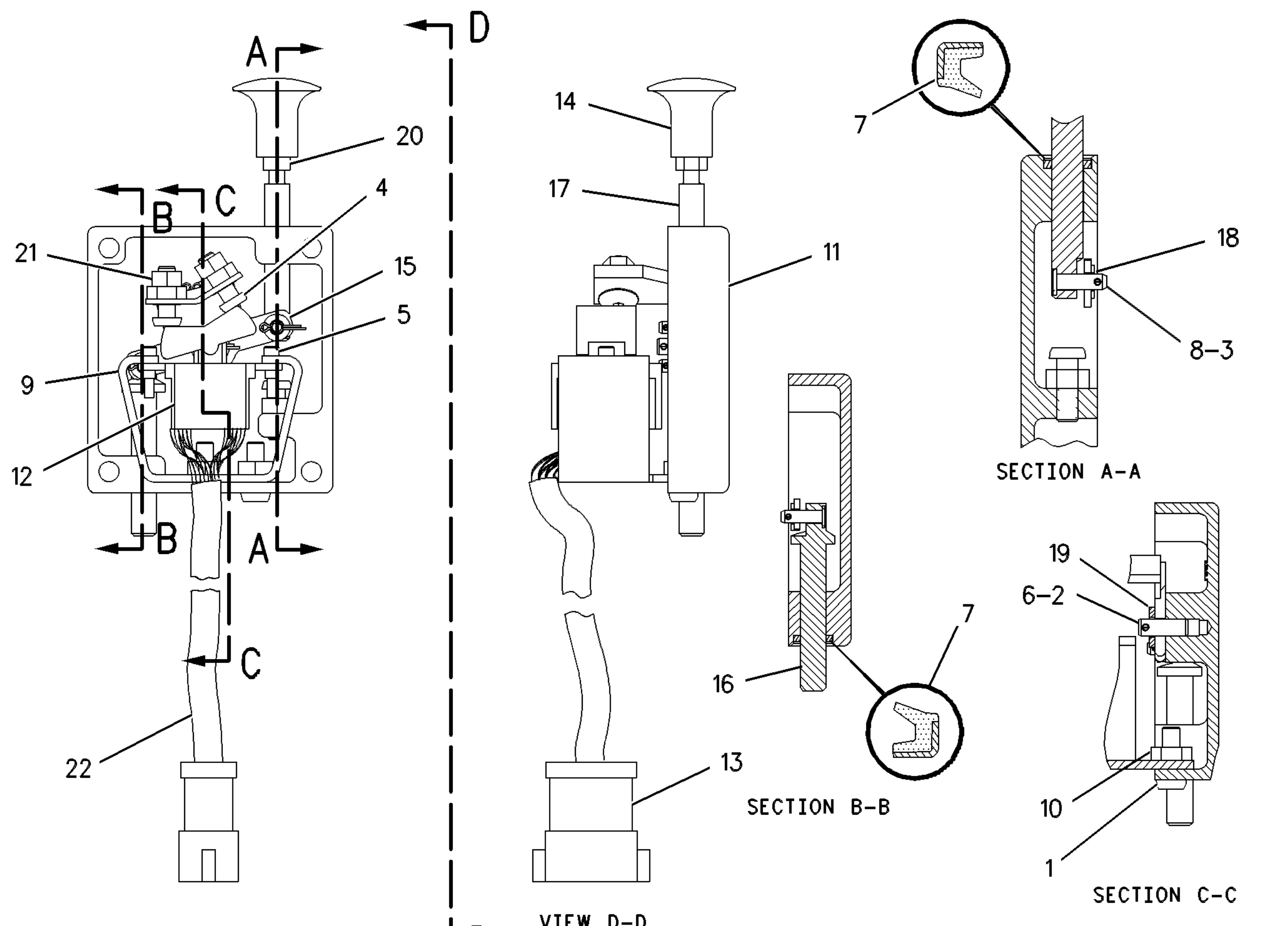
**PART OF 158-8078 CONTROL GP-STEERING & TMSN**

**SMCS-4269, 4284** **i01164802**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2N-3680** | 3 | SCREW-HEAD | |
| | 2 | 1 | **2R-5001** | 1 | DOWEL | |
| | 3 | 1 | **3B-4605** | 2 | COTTER | |
| | 4 | 1 | **4V-6981** | 2 | SCREW-BUTTON HEAD (1/4-20X.75IN) | |
| | 5 | 1 | **6V-8118** | 2 | SCREW-SOCKET HEAD | |
| | 6 | 1 | **7H-9737** | 1 | PIN-COTTER | |
| | 7 | 1 | **8T-5410** | 2 | SEAL-LIP | |
| | 8 | 1 | **9S-1305** | 2 | PIN-CLEVIS | |
| | 9 | 1 | **107-3888** | 1 | BRACKET AS | |
| | 10 | 1 | **9F-6445** | 2 | NUT-WELD (1/4-20 THD) | |
| | 11 | 1 | **112-2660** | 1 | COVER | |
| | 12 | 1 | **118-0639** | 1 | SWITCH AS-ROCKER (PARKING BRAKE) | |
| | 13 | 1 | **102-8801** | 1 | KIT-RECEPTACLE (12 PIN) | |
| | | | | | (INCLUDES WEDGE & RECEPTACLE AS) | |
| | | 1 | **3E-5180** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 1 | **8T-8729** | 12 | PIN-CONNECTOR | |
| | 14 | 1 | **122-1671** | 1 | KNOB | |
| | 15 | 1 | **167-7751** | 1 | PLATE AS | |
| | 16 | 1 | **127-1596** | 1 | SHAFT (69MM LG) | |
| | 17 | 1 | **127-1597** | 1 | SHAFT | |
| | 18 | 1 | **8T-0328** | 2 | WASHER-HARD (1MM THK) | |
| | 19 | 1 | **8T-4205** | 1 | WASHER-HARD (2MM THK) | |
| M | 20 | 1 | **5C-2890** | 1 | NUT (M6X1.00 THD) | |
| | 21 | 1 | **6V-8185** | 3 | NUT (1/4-20 THD) | |
| E | 22 | 1 | **8C-5063** | | CONDUIT-FLEXIBLE (30CM) | |

E-ORDER BY THE CENTIMETER
M-METRIC PART

*107-3881* **CONTROL GP-PARKING BRAKE** *(contd.)* **i01164802**




GRAPHIC #1

g00597844

# 172-5263 CONTROL GP-STEERING

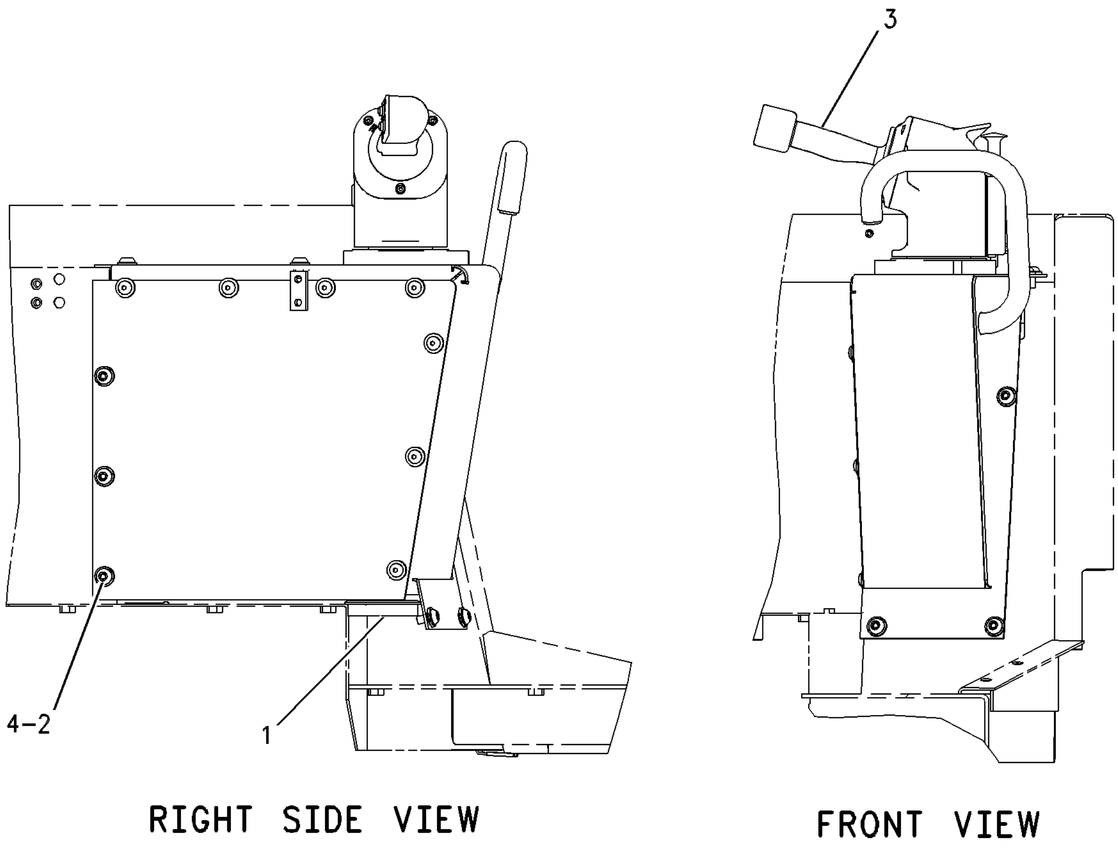
**S/N: AKA1-UP**

**PART OF 157-0822 STEERING AR-HYDRAULIC**

**SMCS-4135** **i01437847**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3E-4048** | 1 | CAP-PLUG | |
| M | 2 | 1 | **124-8100** | 8 | SCREW-TRUSS HEAD (M10X1.5X20MM) | |
| Y | 3 | 1 | *158-8078* | 1 | CONTROL GP-STEERING & TMSN | 518 |
| | 4 | 1 | **7X-7729** | 8 | WASHER (11X25X3MM THK) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00662925

# MEMORANDA

# 112-4820 CONTROL GP-STEERING & TMSN

**S/N: AKA1-UP**

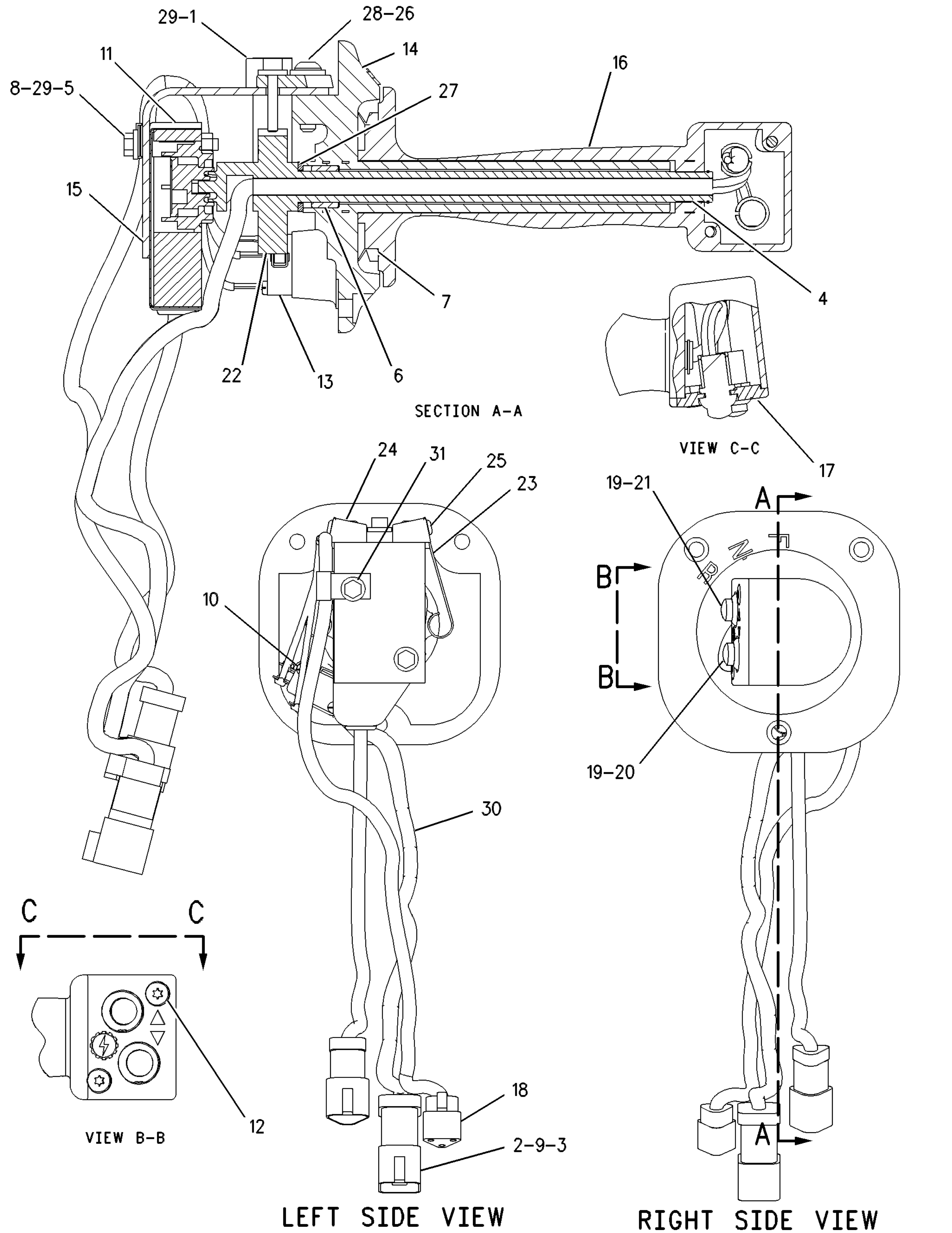
**PART OF 158-8078 CONTROL GP-STEERING & TMSN**

**SMCS-4122** **i01169882**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1H-3340** | 1 | BOLT | |
| J | 2 | 1 | **151-9275** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES PLUG AS & PART MARKED J) | |
| J | 3 | 1 | **3E-3383** | 1 | WEDGE-RECEPTACLE LOCK | |
| | 4 | 1 | **5H-9899** | 1 | RING-RETAINING | |
| CM | 5 | 1 | **6V-2314** | 2 | BOLT | |
| | 6 | 1 | **6V-3545** | 1 | BEARING-ROLLER | |
| | 7 | 1 | **7X-4771** | 1 | SEAL-VALVE RING | |
| M | 8 | 1 | **7Y-5226** | 2 | NUT (M5X0.8MM THD) | |
| | 9 | 1 | **8T-8729** | 6 | PIN-CONNECTOR | |
| | 10 | 1 | **103-6262** | 2 | SCREW-MACHINE | |
| CY | 11 | 1 | **161-8979** | 1 | SENSOR GP-POSITION (SPRINGLESS) | 261 |
| | 12 | 1 | **110-2028** | 2 | SCREW-PAN HEAD | |
| | 13 | 1 | **110-7882** | 1 | SWITCH AS-LIMIT (PARKING BRAKE) | |
| | 14 | 1 | **111-8642** | 1 | COVER-FRONT | |
| | 15 | 1 | **111-8950** | 1 | ANGLE | |
| | 16 | 1 | **112-4740** | 1 | HANDLE | |
| | 17 | 1 | **112-4757** | 1 | COVER | |
| | 18 | 1 | **128-2660** | 1 | WIRE AS | |
| | 19 | 1 | **131-0447** | 2 | NUT | |
| | 20 | 1 | **132-7419** | 1 | SWITCH AS-PUSH BUTTON (ELECTRONIC-UPSHIFT) | |
| | | 1 | **144-0331** | 1 | CAP-PUSHBUTTON | |
| | 21 | 1 | **132-7450** | 1 | SWITCH AS-PUSH BUTTON (ELECTRONIC-DOWNSHIFT) | |
| | | 1 | **144-0331** | 1 | CAP-PUSHBUTTON | |
| | 22 | 1 | **151-5803** | 1 | SHAFT AS-DETENT | |
| | 23 | 1 | **158-2734** | 2 | SPRING | |
| | 24 | 1 | **158-2735** | 1 | BASE | |
| | 25 | 1 | **6V-1232** | 2 | SCREW-BUTTON HEAD | |
| | 26 | 1 | **9W-1464** | 2 | SCREW (1/4-20 X 1 IN) | |
| | 27 | 1 | **7X-0584** | 1 | WASHER-HARD (2MM THK) | |
| | 28 | 1 | **8T-4205** | 2 | WASHER-HARD (2MM THK) | |
| | 29 | 1 | **9X-8256** | 3 | WASHER (2MM THK) | |
| BD | 30 | 1 | **6V-2689** | | TUBE-SHRINKABLE | |
| C | 31 | 1 | **8M-2771** | 1 | CLIP (6.35MM ID) | |

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
J-KIT MARKED J INCLUDES PART MARKED J
M-METRIC PART
Y-SEPARATE ILLUSTRATION

## 112-4820 CONTROL GP-STEERING & TMSN *(contd.)* i01169882




GRAPHIC #1 g00624872

# *158-8078* CONTROL GP-STEERING & TMSN

**S/N: AKA1-UP**

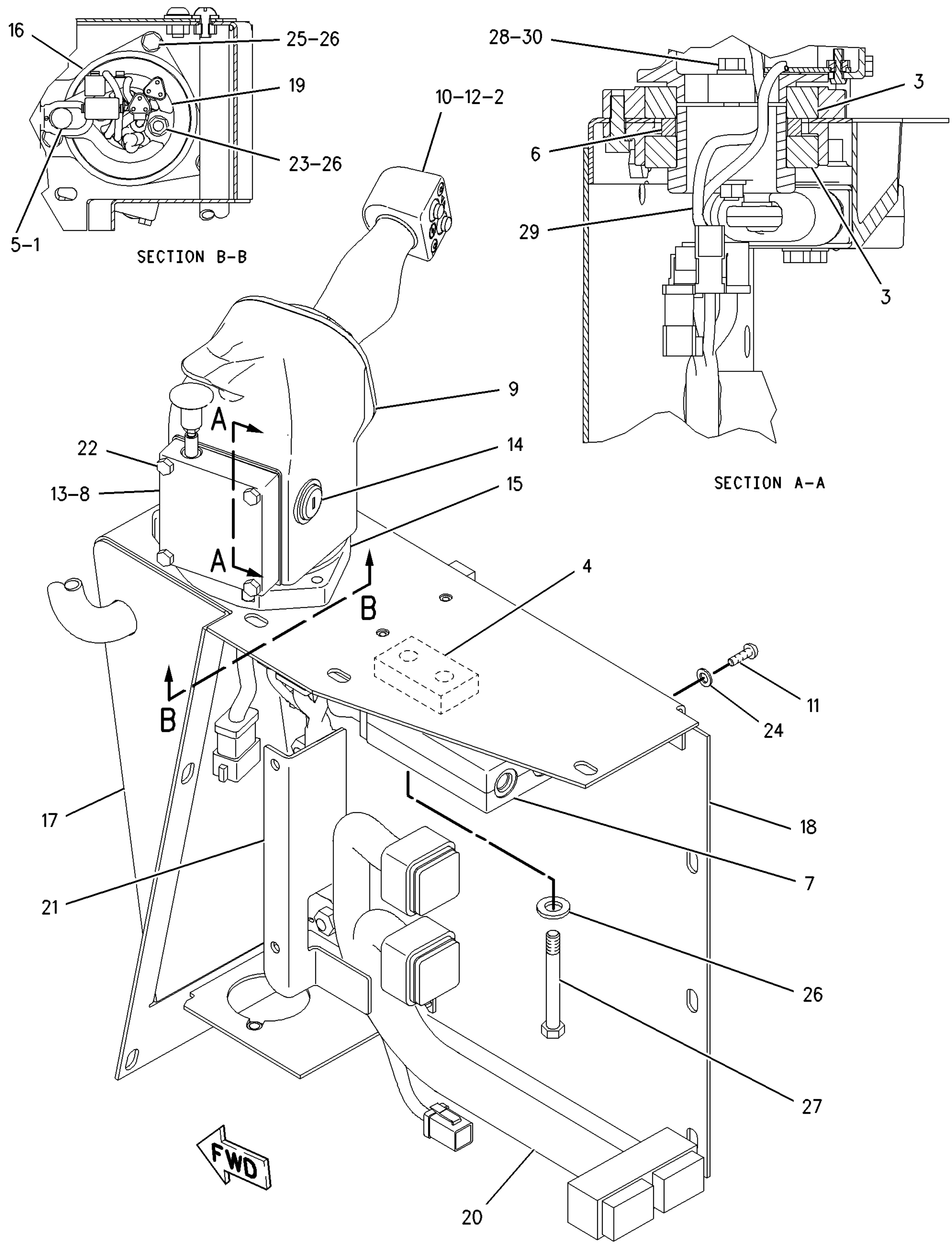
**PART OF 172-5263 CONTROL GP-STEERING**

**SMCS-4122** **i01497359**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2L-6267** | 1 | LOCKNUT | |
| | 2 | 1 | **2N-3680** | 3 | SCREW-HEAD | |
| | 3 | 1 | **5L-2029** | 2 | BALL BEARING | |
| | 4 | 1 | **7V-0008** | 1 | BLOCK | |
| | 5 | 1 | **8E-3131** | 1 | ROLLER-CAM | |
| | 6 | 1 | **8E-8242** | 1 | SPACER | |
| Y | 7 | 1 | **9T-8693** | 1 | VALVE GP-PILOT (STEERING) | 540 |
| Y | 8 | 1 | *107-3881* | 1 | CONTROL GP-PARKING BRAKE | 512 |
| | 9 | 1 | **201-9624** | 1 | HOUSING-MAIN | |
| Y | 10 | 1 | **112-4820** | 1 | CONTROL GP-STEERING & TMSN | 516 |
| M | 11 | 1 | **124-8100** | 7 | SCREW-TRUSS HEAD (M10X1.5X20MM) | |
| | 12 | 1 | **127-1598** | 1 | GASKET | |
| | 13 | 1 | **127-1599** | 1 | GASKET | |
| | 14 | 1 | **149-3137** | 1 | LOCK AS | |
| | 15 | 1 | **160-1436** | 1 | HOUSING-BEARING | |
| | 16 | 1 | **160-1437** | 1 | HOUSING-BEARING | |
| | 17 | 1 | **161-3963** | 1 | SUPPORT AS | |
| | | 1 | **1V-8638** | 2 | NUT (3/8-16 THD) | |
| M | | 1 | **6V-9632** | 3 | NUT-WELD (M6X1 THD) | |
| M | | 1 | **8T-3490** | 7 | NUT-WELD (M10X1.5 THD) | |
| | 18 | 1 | **161-3964** | 1 | COVER AS | |
| | 19 | 1 | **161-6041** | 1 | HOUSING | |
| | 20 | 1 | **200-4573** | 1 | HARNESS AS (DIFFERENTIAL STEERING) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2274** | 2 | KIT-CONNECTING PLUG (6 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 21 | 1 | **200-4574** | 1 | PLATE AS | |
| | | 1 | **7T-1099** | 4 | LINK | |
| | 22 | 1 | **4M-5282** | 4 | BOLT (1/4-20X1.50 IN) | |
| | 23 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |
| | 24 | 1 | **7X-7729** | 7 | WASHER (11X25X3MM THK) | |
| | 25 | 1 | **8T-2502** | 3 | BOLT (3/8-16X1.125 IN) | |
| | 26 | 1 | **8T-4896** | 7 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 27 | 1 | **8T-7008** | 2 | BOLT (3/8-16X3 IN) | |
| | 28 | 1 | **7X-0290** | 2 | BOLT (3/8-16X3.50 IN) | |
| | 29 | 1 | **167-7629** | 1 | HARNESS AS (CONTROL) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | 1 | **102-8801** | 1 | KIT-RECEPTACLE (12 PIN) | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2274** | 2 | KIT-CONNECTING PLUG (6 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 30 | 1 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*158-8078* **CONTROL GP-STEERING & TMSN** ***(contd.)*** **i01497359**




GRAPHIC #1

g00777495

## 177-6979 FILTER GP-OIL

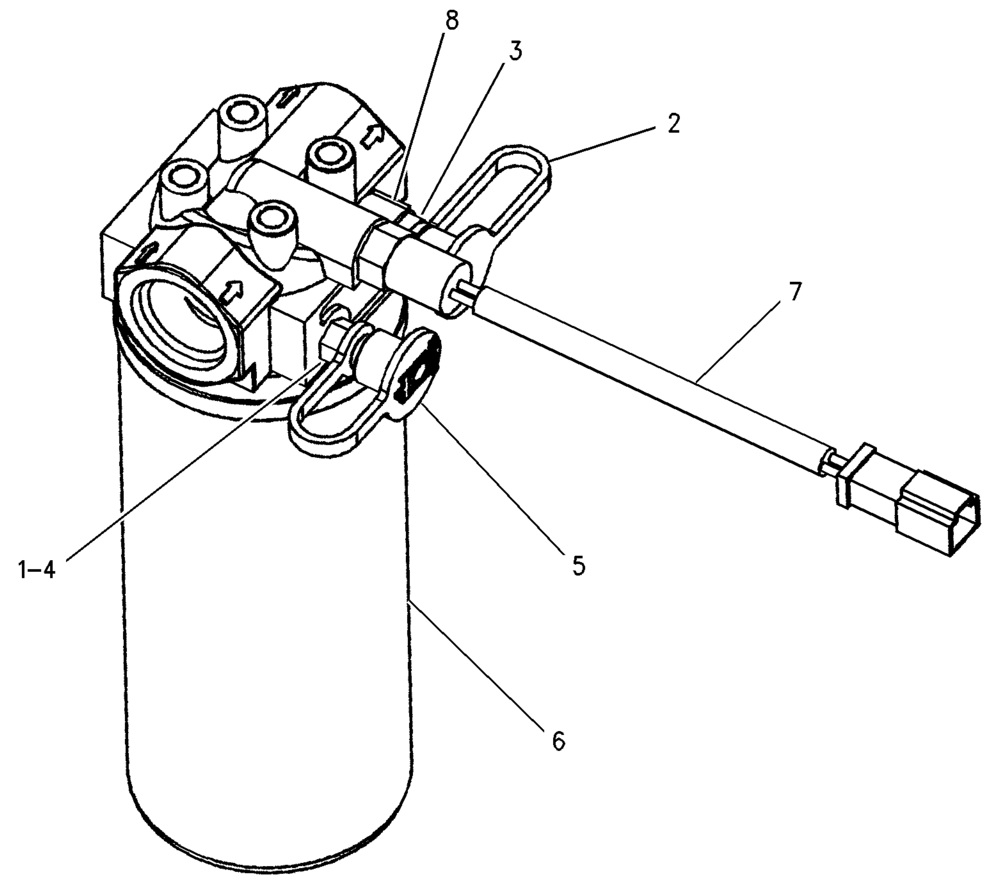
**S/N: AKA1-UP**

**PART OF 159-9309 LINES GP-STEERING**

**SMCS-5068** **i01393878**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3J-7354** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 2 | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 3 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 4 | 1 | **8C-3446** | 1 | VALVE AS-FLUID SAMPLING | |
| | 5 | 1 | **8C-3451** | 1 | CAP-DUST | |
| | 6 | 1 | **102-2828** | 1 | FILTER AS-OIL | |
| | 7 | 1 | **117-7773** | 1 | SWITCH AS-PRESSURE (OIL) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| BE | | 1 | **9X-1813** | | SLEEVE | |
| | 8 | 1 | **3J-1907** | 2 | SEAL-O-RING (11.89MM ID) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER




GRAPHIC #1

g00664971

# MEMORANDA

## *183-8414* HEAD GP-PUMP

**S/N: AKA1-UP**

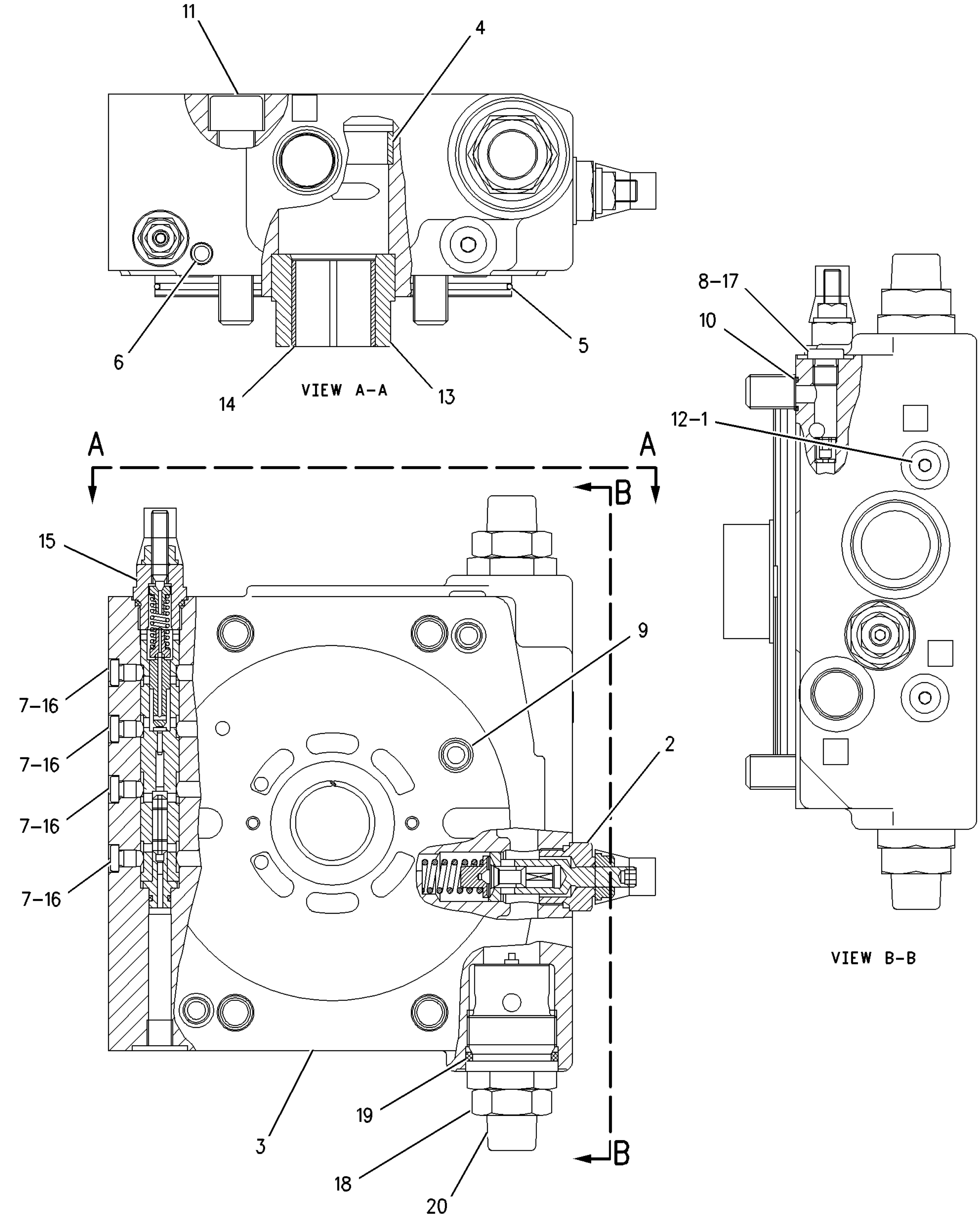
**PART OF 139-4151 PUMP GP-PISTON**

**SMCS-5070** **i01502170**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-8002** | 2 | PLUG-O-RING | |
| Y | 2 | 1 | **183-8409** | 1 | VALVE GP-RELIEF | 547 |
| | 3 | 1 | **183-8415** | 1 | HEAD | |
| | 4 | 1 | **183-8416** | 1 | BUSHING | |
| | 5 | 1 | **119-7845** | 1 | SEAL-O-RING | |
| | 6 | 1 | **123-2017** | 1 | PLUG (M8) | |
| | 7 | 1 | **134-7489** | 4 | PLUG | |
| M | 8 | 1 | **135-8854** | 1 | PLUG GP | |
| | 9 | 1 | **144-9101** | 1 | PLUG-BREAK OFF | |
| | 10 | 1 | **161-6149** | 2 | SEAL-O-RING | |
| M | 11 | 1 | **3E-8008** | 4 | BOLT-SOCKET HEAD (M16X2X90MM) | |
| | 12 | 1 | **3J-7354** | 2 | SEAL-O-RING | |
| | 13 | 1 | **6E-4382** | 1 | BUSHING | |
| | 14 | 1 | **6E-4383** | 1 | BUSHING | |
| Y | 15 | 1 | **6E-4392** | 1 | VALVE GP-PRESSURE COMPENSATOR | 542 |
| | 16 | 1 | **6V-5586** | 4 | SEAL-O-RING | |
| | 17 | 1 | **6V-9028** | 1 | SEAL-O-RING | |
| | 18 | 1 | **178-4164** | 2 | VALVE GP-RELIEF | |
| | 19 | 1 | **178-4171** | 1 | KIT-SEAL | |
| | 20 | 1 | **123-7556** | 1 | CAP | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*183-8414* **HEAD GP-PUMP** ***(contd.)*** **i01502170**




GRAPHIC #1 g00712710

# STEERING AND BRAKING SYSTEM

## *159-9309* LINES GP-STEERING

**S/N: AKA1-UP**

**PART OF 157-0822 STEERING AR-HYDRAULIC**

**SMCS-4104, 4133, 4304** **i01474430**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 3 | **2S-0115** | 2 | WASHER-HARD (20X36.5X5MM THK) | |
| | 2 | 1,2 | **6V-0484** | 2 | ADAPTER-O-RING | |
| | 3 | 1,2,3 | **6V-0852** | 8 | CAP-DUST | |
| I | 4 | 3 | **6Y-4061** | 1 | HOSE AS | |
| | 5 | 2 | **8C-4985** | 1 | ADAPTER | |
| I | 6 | 1 | **8W-2563** | 1 | HOSE AS | |
| | 7 | 3 | **032-1853** | 2 | BOLT-12 POINT HEAD | |
| I | 8 | 1 | **111-6924** | 1 | HOSE AS | |
| Y | 9 | 2 | **126-0747** | 1 | VALVE GP-BYPASS | 634 |
| | 10 | 2 | **126-0814** | 1 | NIPPLE AS | |
| | 11 | 2,3 | *148-8318* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2,3 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 2,3 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2,3 | **6V-8634** | 1 | CONNECTOR | |
| | 12 | 2 | *148-8322* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **2M-9780** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8640** | 1 | CONNECTOR-SEAL | |
| | | 2 | **6V-9746** | 1 | SEAL-O-RING | |
| | 13 | 2,3 | *148-8339* | 5 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2,3 | **6V-8716** | 1 | CONNECTOR | |
| | | 2,3 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 2,3 | **7M-8485** | 1 | SEAL-O-RING | |
| | 14 | 3 | *148-8355* | 1 | ELBOW GP | |
| | | 3 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 3 | **6V-9005** | 1 | ELBOW | |
| | | 3 | **7M-8485** | 1 | SEAL-O-RING | |
| | 15 | 1 | *148-8424* | 2 | TEE AS-ORFS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **8T-8902** | 1 | TEE | |
| | 16 | 3 | *150-3065* | 1 | ADAPTER GP | |
| | | 3 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | | 3 | **6V-0484** | 1 | ADAPTER-O-RING | |
| | 17 | 3 | *153-6243* | 1 | TEE AS | |
| | | 3 | **2S-4078** | 1 | SEAL-O-RING | |
| | | 3 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 3 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 3 | **8T-1120** | 1 | TEE-O-RING PORT | |
| | 18 | 1 | *153-6265* | 1 | CONNECTOR AS | |
| | | 1 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 1 | **6K-6307** | 1 | SEAL-O-RING | |
| | | 1 | **8C-3323** | 1 | CONNECTOR | |
| I | 19 | 2 | **160-1550** | 1 | HOSE AS | |
| I | 20 | 2 | **160-1551** | 1 | HOSE AS | |
| I | 21 | 2 | **160-1552** | 1 | HOSE AS | |
| I | 22 | 2 | **160-1553** | 1 | HOSE AS | |
| I | 23 | 2 | **160-1554** | 1 | HOSE AS | |
| I | 24 | 2 | **160-1555** | 1 | HOSE AS | |
| I | 25 | 3 | **160-1556** | 1 | HOSE AS | |
| I | 26 | 2 | **160-1557** | 1 | HOSE AS | |
| I | 27 | 3 | **162-7865** | 1 | HOSE AS | |
| Y | 28 | 3 | **163-0057** | 1 | VALVE GP-PRESSURE CONTROL | 544 |
| I | 29 | 1 | **163-1827** | 1 | HOSE AS | |

## *159-9309* LINES GP-STEERING *(contd.)* i01474430

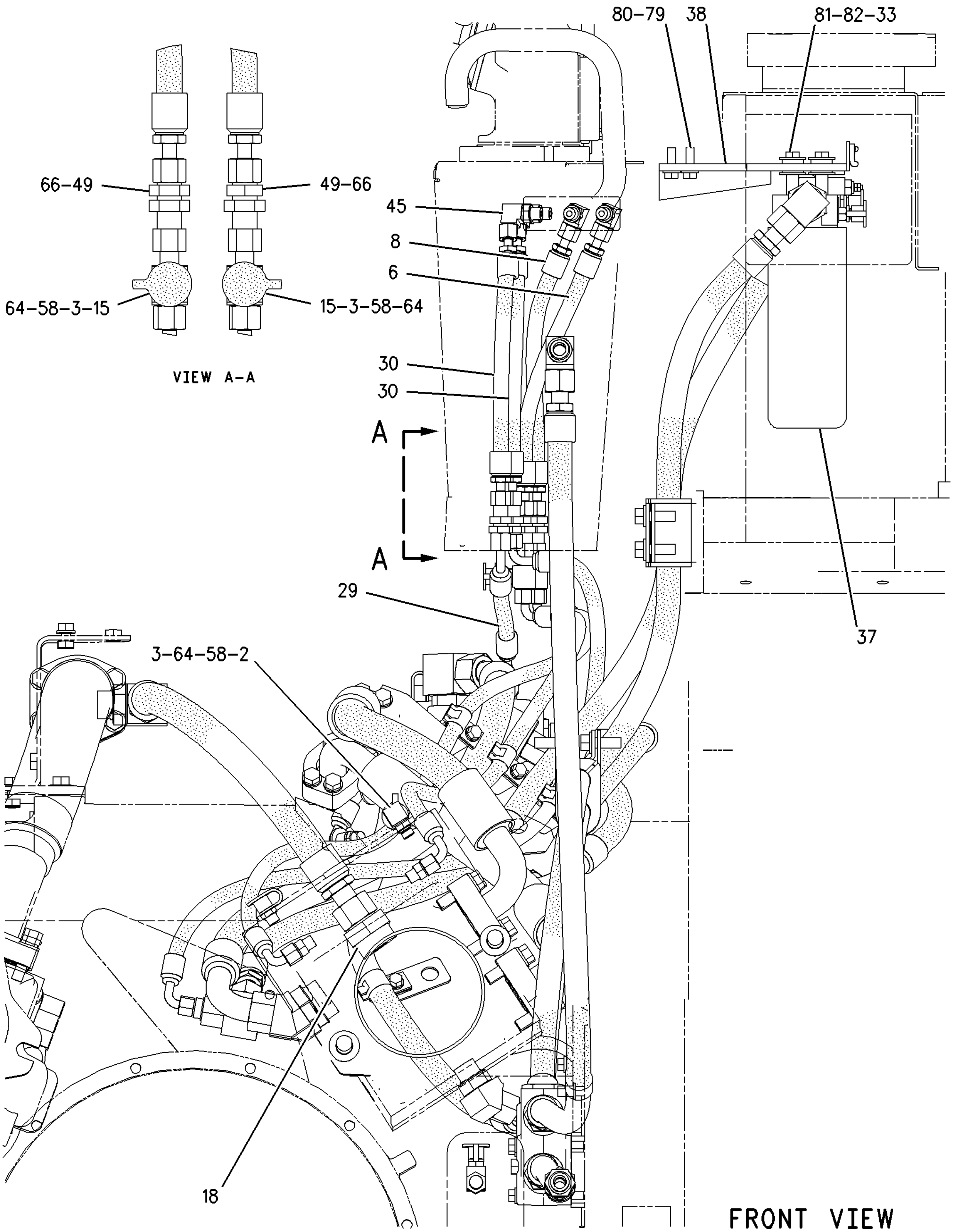
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| I | 30 | 1 | **163-4520** | 2 | HOSE AS | |
| I | 31 | 3 | **163-4772** | 1 | HOSE AS | |
| I | 32 | 3 | **164-0231** | 1 | HOSE AS | |
| | 33 | 1 | **164-4413** | 4 | MOUNT | |
| | 34 | 3 | **168-5193** | 1 | PLATE AS | |
| | | 3 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 35 | 3 | **168-5194** | 1 | PLATE AS | |
| | | 3 | **1F-0748** | 1 | NUT-WELD (1/2-13 THD) | |
| I | 36 | 3 | **168-6892** | 1 | HOSE AS | |
| Y | 37 | 1 | **177-6979** | 1 | FILTER GP-OIL | 520 |
| | 38 | 1 | **180-9333** | 1 | PLATE AS | |
| | 39 | 2 | **199-4027** | 1 | HOSE AS | |
| | 40 | 3 | **200-4178** | 1 | HOSE AS | |
| | 41 | 1,2 | *148-8336* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1,2 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | | 1,2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8636** | 1 | CONNECTOR | |
| | 42 | 2 | *148-8347* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **3D-2824** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9007** | 1 | ELBOW | |
| | 43 | 3 | *148-8357* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 3 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 3 | **6V-9008** | 1 | ELBOW | |
| | | 3 | **7M-8485** | 1 | SEAL-O-RING | |
| | 44 | 2 | *148-8360* | 1 | ELBOW GP | |
| | | 2 | **6V-9182** | 1 | ELBOW | |
| | | 2 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 2 | **7M-8485** | 1 | SEAL-O-RING | |
| | 45 | 1,2 | *148-8378* | 5 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1,2 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | | 1,2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8724** | 1 | ELBOW | |
| | 46 | 2 | *148-8388* | 1 | ELBOW GP | |
| | | 2 | **2M-9780** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8629** | 1 | ELBOW-FACE SEAL | |
| | | 2 | **6V-9746** | 1 | SEAL-O-RING | |
| | 47 | 3 | *148-8417* | 1 | REDUCER AS-ORFS | |
| | | 3 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 3 | **6V-8941** | 1 | REDUCER | |
| | 48 | 3 | *148-8449* | 1 | TEE GP-SWIVEL | |
| | | 3 | **6V-9839** | 1 | TEE-SWIVEL | |
| | | 3 | **6V-9839** | 1 | TEE-SWIVEL | |
| | 49 | 1,2 | *149-5452* | 4 | UNION AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1,2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1,2 | **6V-8994** | 1 | UNION-BULKHEAD | |
| | 50 | 2 | *153-6237* | 1 | ELBOW GP | |
| | | 2 | **3D-2824** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9004** | 1 | ELBOW | |
| | 51 | 3 | *153-6244* | 1 | ELBOW GP | |
| | | 3 | **2M-9780** | 1 | SEAL-O-RING | |
| | | 3 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 3 | **8T-5389** | 1 | ELBOW | |

## *159-9309* **LINES GP-STEERING** *(contd.)*   **i01474430**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 52 | 3 | **1P-3703** | 2 | SEAL-RECTANGULAR | |
| | 53 | 3 | **1P-3704** | 2 | SEAL-RECTANGULAR | |
| | 54 | 3 | **1P-5766** | 4 | FLANGE-HALF | |
| | 55 | 3 | **1P-5767** | 4 | FLANGE-HALF | |
| | 56 | 3 | **2K-8257** | 1 | SEAL-O-RING | |
| | 57 | 2 | **3D-2824** | 1 | SEAL-O-RING | |
| | 58 | 1,2,3 | **3J-1907** | 10 | SEAL-O-RING (11.89MM ID) | |
| | 59 | 2,3 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 60 | 2 | **5P-2566** | 6 | BOLT (1/2-13X1.5 IN) | |
| | 61 | 3 | **5S-7379** | 3 | BOLT (3/8-16X0.875 IN) | |
| | 62 | 2 | **6V-1722** | 1 | ADAPTER-O-RING | |
| | 63 | 2 | **6V-1889** | 1 | CLIP | |
| | 64 | 1,2,3 | **6V-3965** | 8 | FITTING AS (QUICK DISCONNECT) | |
| | 65 | 3 | **6V-8556** | 1 | NUT (1 3/16-12 THD) | |
| | 66 | 1,2 | **6V-9168** | 4 | NUT (11/16-16 THD) | |
| | 67 | 2 | **7G-3832** | 3 | GROMMET | |
| | 68 | 2 | **7G-3833** | 3 | CLIP (TAB) | |
| | 69 | 2 | **7G-3834** | 3 | CLIP (SLOT) | |
| | 70 | 3 | **7X-0310** | 2 | BOLT (7/16-14X2 IN) | |
| | 71 | 3 | **7X-0333** | 3 | BOLT (1/2-13X4.75 IN) | |
| | 72 | 3 | **8C-6877** | 6 | BOLT (7/16-14X1.75 IN) | |
| | 73 | 3 | **8T-1893** | 3 | CLIP (SLOT) | |
| | 74 | 3 | **8T-1894** | 3 | CLIP (TAB) | |
| | 75 | 3 | **8T-1895** | 2 | CLIP (SLOT) | |
| | 76 | 3 | **8T-1896** | 2 | CLIP (TAB) | |
| | 77 | 3 | **8T-1899** | 1 | CLIP (SLOT) | |
| | 78 | 3 | **8T-1900** | 1 | CLIP (TAB) | |
| | 79 | 1 | **8T-4121** | 4 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 80 | 1 | **8T-4195** | 4 | BOLT (M10X1.5X30MM) | |
| M | 81 | 1 | **8T-4196** | 4 | BOLT (M10X1.5X35MM) | |
| | 82 | 1 | **8T-4222** | 8 | WASHER-PLATED (11X32X2.5MM THK) | |
| | 83 | 3 | **8T-4223** | 17 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 84 | 1 | **8T-4835** | 8 | BOLT (1/2-13X2 IN) | |
| | 85 | 2,3 | **8T-4896** | 10 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 86 | 3 | **8T-5360** | 8 | WASHER (12X22.5X2.5MM THK) | |
| | 87 | 2 | **8T-8915** | 3 | BOLT (3/8-16X3.25 IN) | |
| | 88 | 3 | **9B-7237** | 2 | BOLT (3/8-16X1.25 IN) | |
| | 89 | 3 | *150-4043* | 1 | CONNECTOR GP | |
| | | 3 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | | 3 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 3 | **6V-9873** | 1 | CONNECTOR-SEAL | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

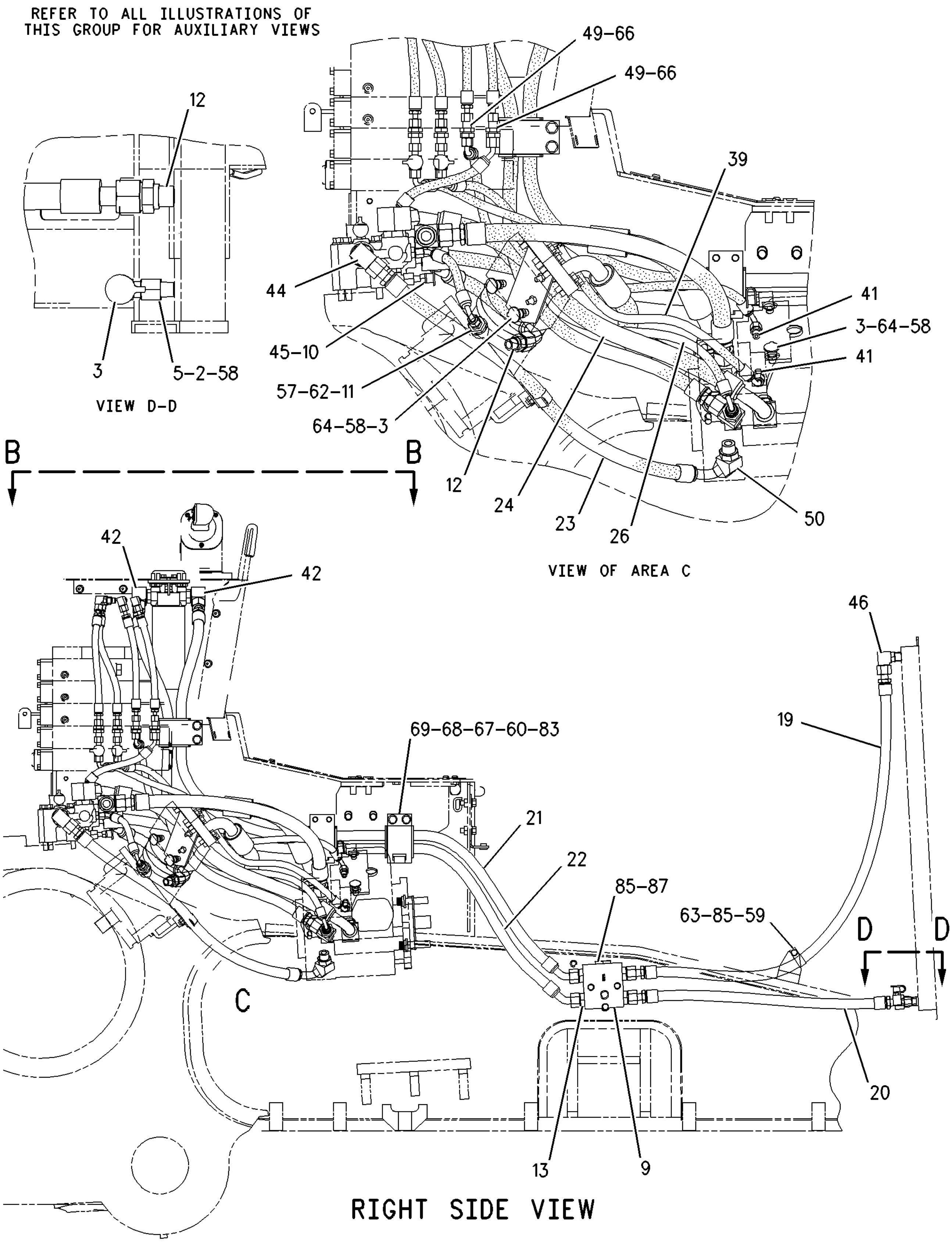
*159-9309* **LINES GP-STEERING** ***(contd.)*** **i01474430**




GRAPHIC #1

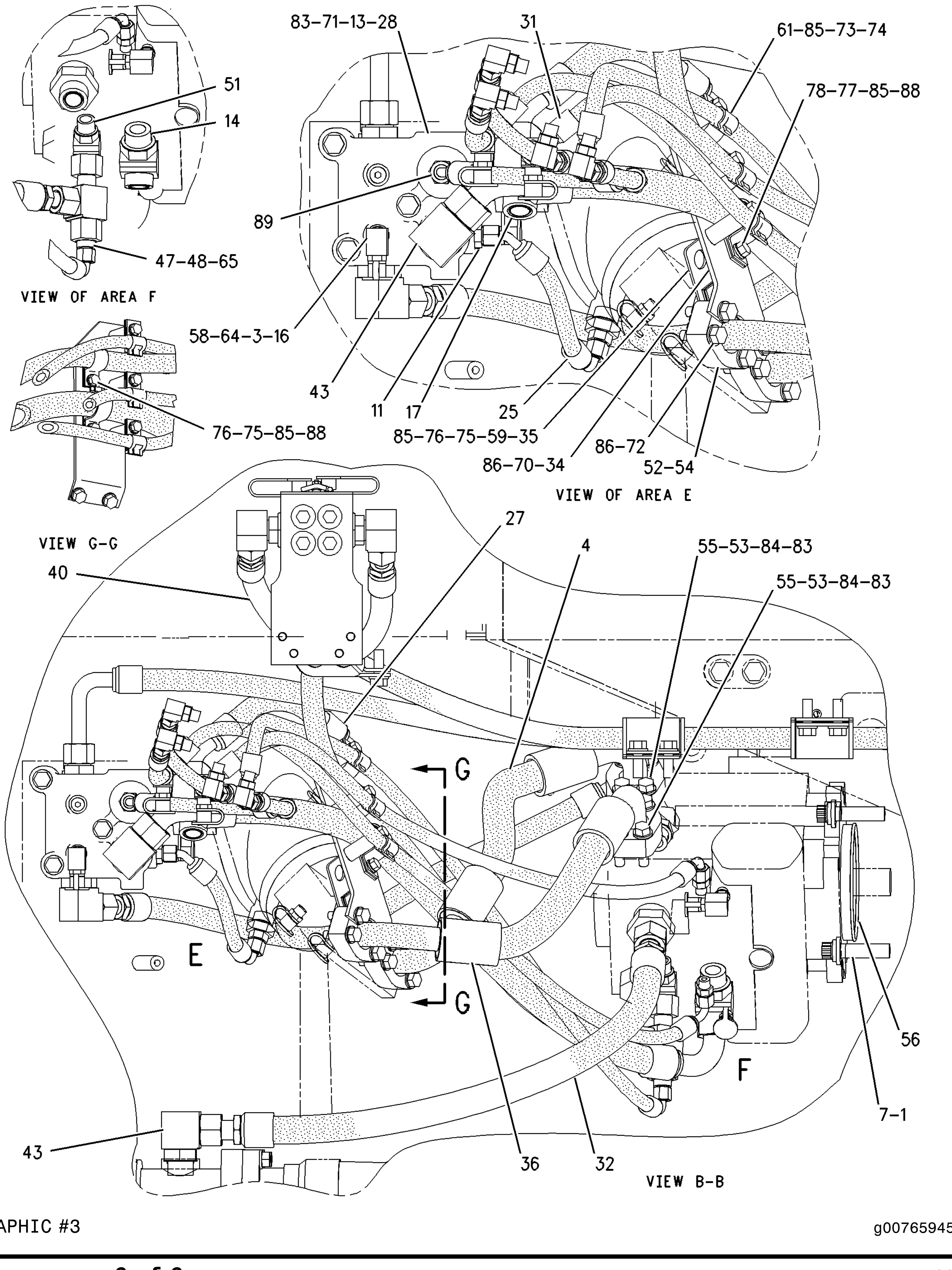
g00750295

*159-9309* **LINES GP-STEERING** ***(contd.)*** **i01474430**




GRAPHIC #2 g00750297

*159-9309* **LINES GP-STEERING** ***(contd.)*** **i01474430**




GRAPHIC #3

g00765945

# 159-7162 MOTOR GP-PISTON

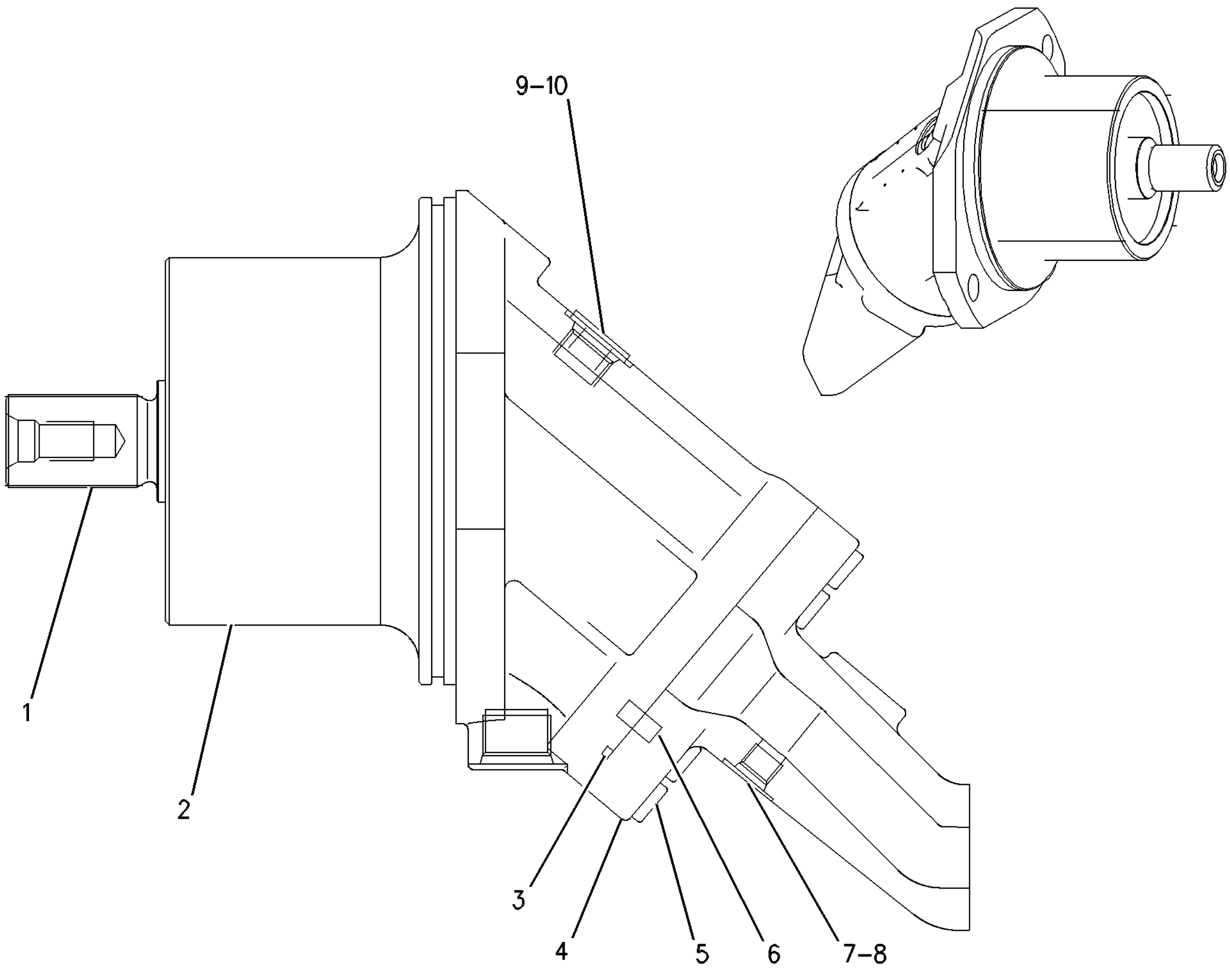
**S/N: AKA1-UP**

**PART OF 157-0822 STEERING AR-HYDRAULIC**

**SMCS-5058** **i01219329**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **171-3052** | 1 | ROTATING GP-MOTOR | 534 |
| | 2 | 1 | **6E-4092** | 1 | HOUSING | |
| | 3 | 1 | **6V-1197** | 1 | SEAL-O-RING (98.02MM ID) | |
| | 4 | 1 | **6E-2505** | 1 | HEAD | |
| M | 5 | 1 | **8T-3957** | 6 | BOLT-HEX SOCKET (M12X1.75X30MM) | |
| | 6 | 1 | **8T-4231** | 1 | DOWEL | |
| | 7 | 1 | **9S-8004** | 2 | PLUG-O-RING (9/16-18 THD) | |
| | 8 | 1 | **3J-1907** | 2 | SEAL-O-RING (11.89MM ID) | |
| | 9 | 1 | **9S-8006** | 1 | PLUG-O-RING (7/8-14 THD) | |
| | 10 | 1 | **2M-9780** | 1 | SEAL-O-RING (19.18MM ID) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00605348

## *183-8403* PUMP GP-GEAR

**S/N: AKA1-UP**

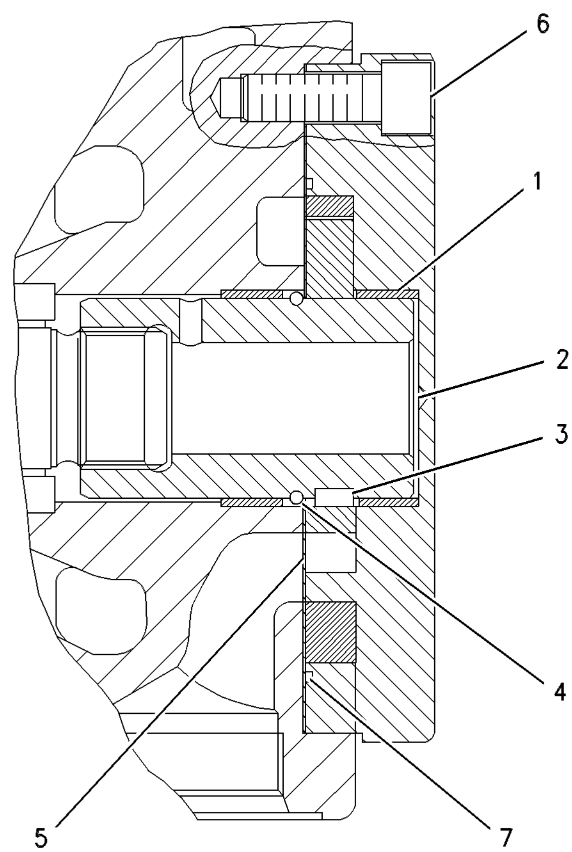
**1 SECTION**

**PART OF 139-4151 PUMP GP-PISTON**

**SMCS-5073** **i01320696**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **183-8416** | 1 | BUSHING | |
| | 2 | 1 | **183-8405** | 1 | SHAFT | |
| | 3 | 1 | **183-8406** | 1 | KEY | |
| | 4 | 1 | **183-8408** | 1 | RING-RETAINING | |
| | 5 | 1 | **144-9088** | 1 | PLATE-WEAR | |
| M | 6 | 1 | **6V-8200** | 4 | BOLT-HEX SOCKET (M12X1.75X35MM) | |
| | 7 | 1 | **8C-5237** | 1 | SEAL-O-RING (127.37MM ID) | |

M-METRIC PART




GRAPHIC #1

g00664399

# 139-4151 PUMP GP-PISTON

**S/N: AKA1-UP**

**SLIPPER**

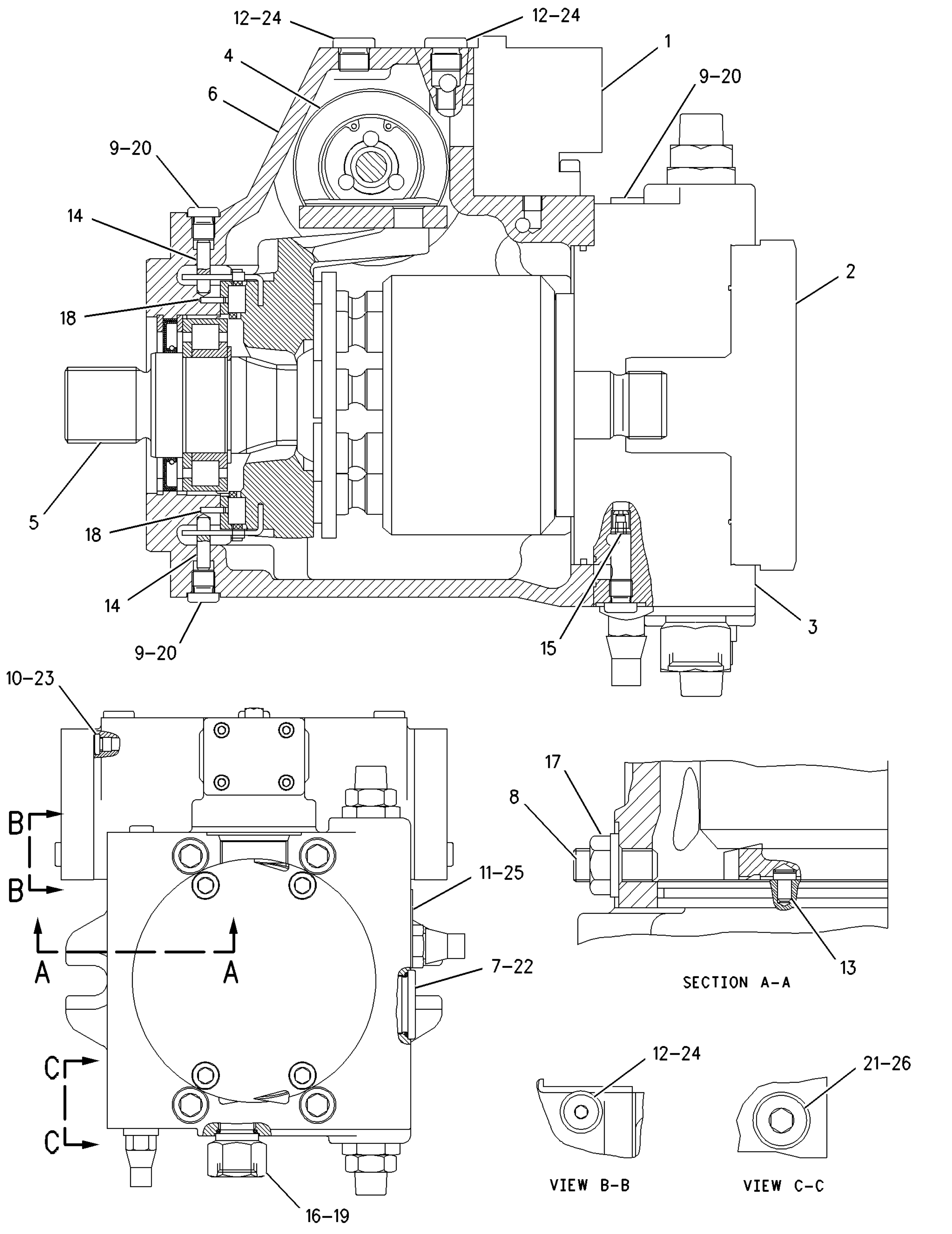
**PART OF 157-0822 STEERING AR-HYDRAULIC**

**SMCS-5070** **i01318908**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **183-8388** | 1 | VALVE GP-SERVO | 366 |
| Y | 2 | 1 | **183-8403** | 1 | PUMP GP-GEAR | 531 |
| Y | 3 | 1 | **183-8414** | 1 | HEAD GP-PUMP | 522 |
| Y | 4 | 1 | **183-8430** | 1 | ACTUATOR GP-PISTON PUMP | 548 |
| Y | 5 | 1 | **183-8445** | 1 | ROTATING GP-PUMP | 536 |
| | 6 | 1 | **183-8454** | 1 | HOUSING | |
| | 7 | 1 | **096-6095** | 1 | PLUG | |
| | 8 | 1 | **123-7582** | 1 | PIN-THREADED | |
| | 9 | 1 | **135-8854** | 3 | PLUG | |
| | 10 | 1 | **137-3780** | 2 | PLUG | |
| | 11 | 1 | **2M-9780** | 1 | SEAL-O-RING (19.18MM ID) | |
| | 12 | 1 | **3J-1907** | 4 | SEAL-O-RING (11.89MM ID) | |
| | 13 | 1 | **6E-4350** | 1 | PIN | |
| | 14 | 1 | **6E-4351** | 2 | PIN | |
| | 15 | 1 | **6E-4352** | 1 | PLUG-ORIFICE | |
| | 16 | 1 | **6E-4353** | 1 | CONNECTOR | |
| M | 17 | 1 | **6E-4385** | 1 | LOCKNUT-SEAL (M12 THD) | |
| | 18 | 1 | **6E-4614** | 2 | PIN | |
| | 19 | 1 | **6V-5326** | 1 | SEAL-O-RING (23.47MM ID) | |
| | 20 | 1 | **6V-9028** | 3 | SEAL-O-RING (9.40MM ID) | |
| | 21 | 1 | **7M-8485** | 1 | SEAL-O-RING (29.74MM ID) | |
| | 22 | 1 | **8C-5193** | 1 | SEAL-O-RING | |
| | 23 | 1 | **8T-7876** | 2 | SEAL-O-RING (8.2MM ID) | |
| | 24 | 1 | **9S-8004** | 4 | PLUG-O-RING (9/16-18 THD) | |
| | 25 | 1 | **9S-8006** | 1 | PLUG-O-RING (7/8-14 THD) | |
| | 26 | 1 | **9S-9334** | 1 | PLUG (1 5/16-12 THD) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

**139-4151 PUMP GP-PISTON** *(contd.)* i01318908




GRAPHIC #1 g00662911

# 171-3052 ROTATING GP-MOTOR

S/N: AKA1-UP

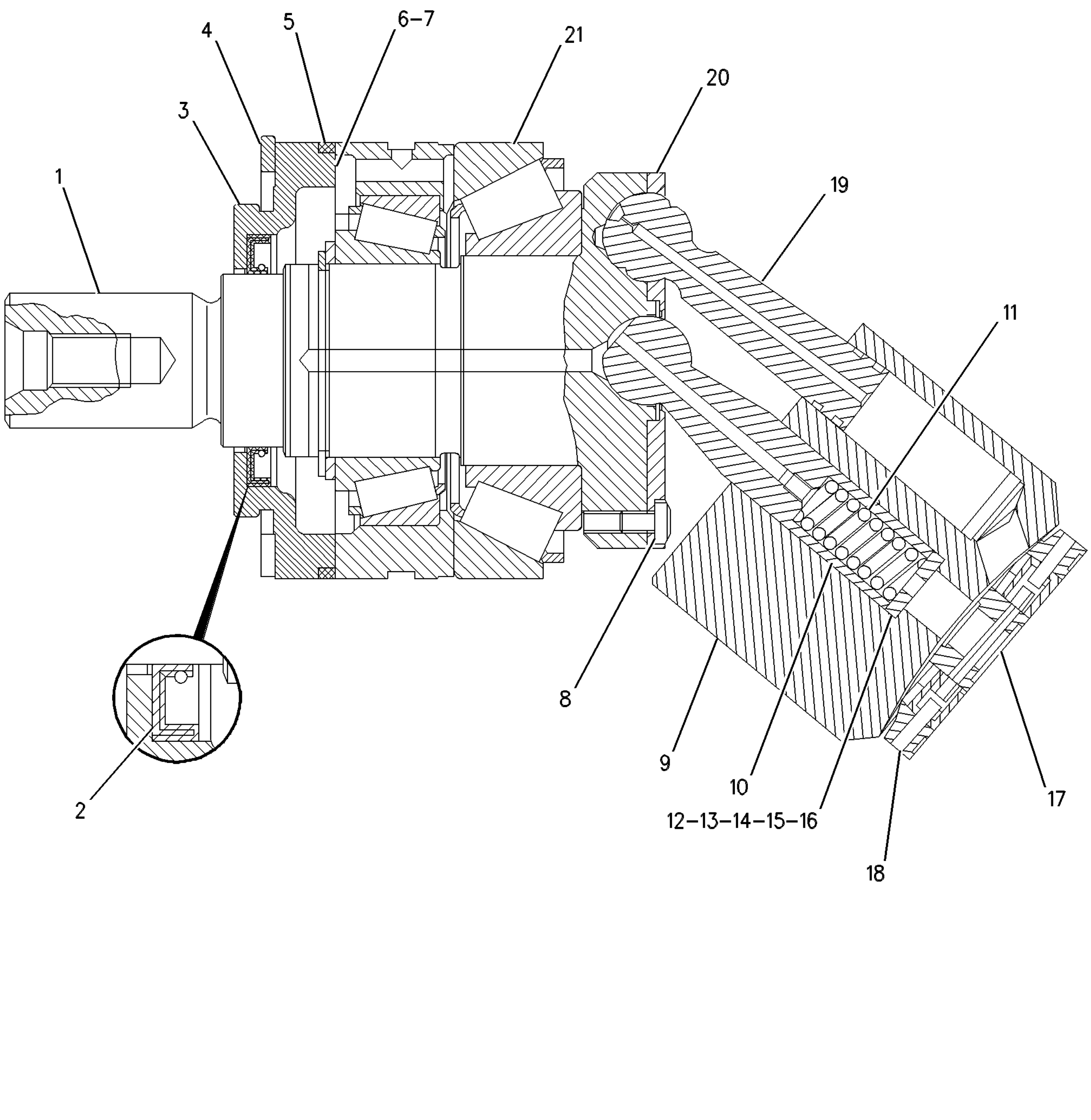
PART OF 159-7162 MOTOR GP-PISTON

SMCS-5058 i01219345

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **171-3068** | 1 | SHAFT-MOTOR | |
| | 2 | 1 | **123-5748** | 1 | SEAL-SHAFT | |
| | 3 | 1 | **9T-1637** | 1 | COVER-FRONT | |
| | 4 | 1 | **3E-4334** | 1 | RING-RETAINING | |
| | 5 | 1 | **5D-5958** | 1 | SEAL-O-RING | |
| B | 6 | 1 | **9T-1579** | 1 | SHIM (0.3MM THK) | |
| B | 7 | 1 | **9T-1576** | 2 | SHIM (0.1MM THK) | |
| M | 8 | 1 | **113-4420** | 7 | SCREW (M6X20MM) | |
| | 9 | 1 | **6E-4096** | 1 | BARREL | |
| | 10 | 1 | **171-3054** | 1 | PIN-CENTER | |
| | 11 | 1 | **171-3061** | 1 | SPRING | |
| B | 12 | 1 | **171-3055** | 1 | SHIM (4.0MM THK) | |
| B | 13 | 1 | **171-3057** | 1 | SHIM (3.9MM THK) | |
| B | 14 | 1 | **171-3058** | 1 | SHIM (3.8MM THK) | |
| B | 15 | 1 | **171-3059** | 1 | SHIM (3.7MM THK) | |
| B | 16 | 1 | **171-3060** | 1 | SHIM (3.6MM THK) | |
| | 17 | 1 | **6E-4098** | 1 | DISC | |
| Y | 18 | 1 | **119-6114** | 1 | VALVE GP-FLUSHING | 539 |
| | 19 | 1 | **165-6970** | 7 | PISTON AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **6E-4626** | 2 | RING | |
| | 20 | 1 | **9T-1642** | 1 | PLATE-RETAINING | |
| | 21 | 1 | **171-5989** | 1 | KIT-BEARING | |

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

## 171-3052 ROTATING GP-MOTOR *(contd.)* i01219345




GRAPHIC #1 g00604999

## *183-8445* ROTATING GP-PUMP

**S/N: AKA1-UP**

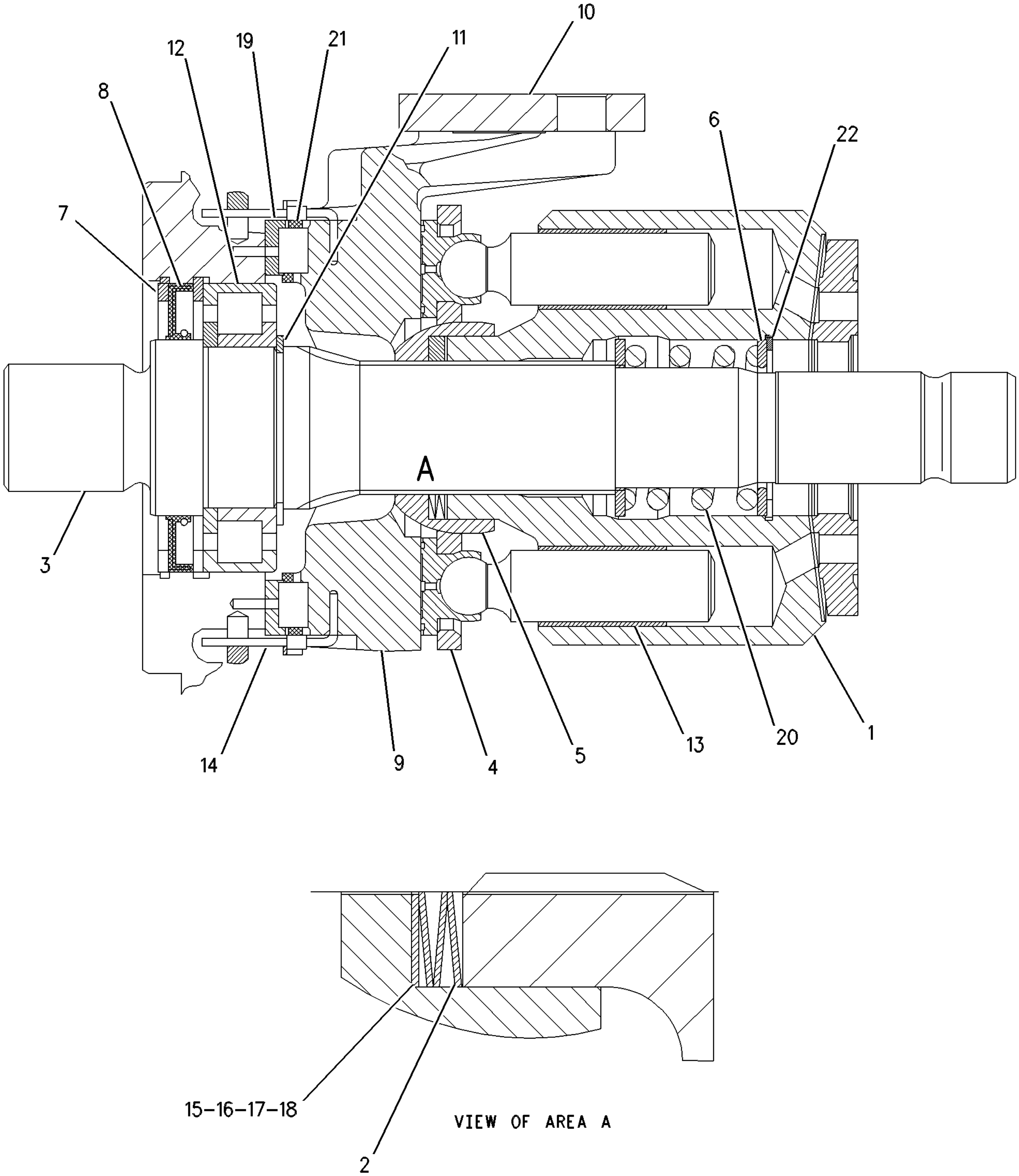
**PART OF 139-4151 PUMP GP-PISTON**

**SMCS-5070** **i01320703**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **183-8446** | 1 | BARREL AS | |
| | 2 | 1 | **183-8447** | 1 | SPRING | |
| | 3 | 1 | **183-8448** | 1 | SHAFT | |
| | 4 | 1 | **183-8449** | 1 | PLATE | |
| | 5 | 1 | **183-8450** | 1 | BALL | |
| | 6 | 1 | **183-8451** | 2 | WASHER | |
| | 7 | 1 | **183-8452** | 2 | RING-RETAINING | |
| | 8 | 1 | **183-8453** | 1 | RING-SEAL | |
| | 9 | 1 | **122-6606** | 1 | SWASHPLATE | |
| | 10 | 1 | **122-6607** | 1 | LEVER | |
| | 11 | 1 | **141-0243** | 1 | RING-SNAP | |
| | 12 | 1 | **6E-1571** | 1 | BEARING AS (CYLINDRICAL ROLLER) | |
| | 13 | 1 | **6E-4358** | 9 | PISTON AS | |
| | 14 | 1 | **6E-4363** | 2 | ROD | |
| B | 15 | 1 | **6E-4364** | | SHIM (1.2MM) | |
| B | 16 | 1 | **6E-4365** | | SHIM (1.0MM) | |
| B | 17 | 1 | **6E-4366** | | SHIM (.8MM) | |
| B | 18 | 1 | **6E-4367** | | SHIM (.6MM) | |
| | 19 | 1 | **6E-4370** | 1 | GUIDE | |
| | 20 | 1 | **6E-4373** | 1 | SPRING | |
| | 21 | 1 | **6E-4374** | 1 | BEARING | |
| | 22 | 1 | **9X-2858** | 1 | RING-RETAINING | |

B-USE AS REQUIRED

*183-8445* **ROTATING GP-PUMP** ***(contd.)*** **i01320703**




GRAPHIC #1

g00664404

# *157-0822* STEERING AR-HYDRAULIC

**S/N: AKA1-UP**

**PART OF 157-0821 HYDRAULIC AR**

**SMCS-4300** **i01437784**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *6Y-3526* | 1 | ADAPTER GP-MOTOR | 510 |
| Y | *172-5263* | 1 | CONTROL GP-STEERING | 514 |
| Y | *159-9309* | 1 | LINES GP-STEERING | 524 |
| YR | **159-7162** | 1 | MOTOR GP-PISTON | 530 |
| YR | **139-4151** | 1 | PUMP GP-PISTON | 532 |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

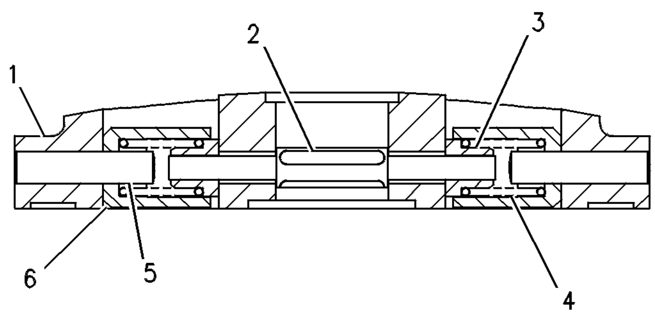
# 119-6114 VALVE GP-FLUSHING

**S/N: AKA1-UP**

**PART OF 171-3052 ROTATING GP-MOTOR**

**SMCS-5066** **i01219372**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **119-6109** | 1 | PLATE | |
| | 2 | 1 | **6E-4100** | 1 | PIN-FLUSHING | |
| | 3 | 1 | **119-6110** | 2 | RETAINER | |
| | 4 | 1 | **6E-4102** | 2 | SPRING | |
| | 5 | 1 | **119-6112** | 2 | PIN | |
| | 6 | 1 | **119-6113** | 2 | BUSHING | |




GRAPHIC #1 g00246170

# 9T-8693 VALVE GP-PILOT

**S/N: AKA1-UP**

**PART OF 158-8078 CONTROL GP-STEERING & TMSN**

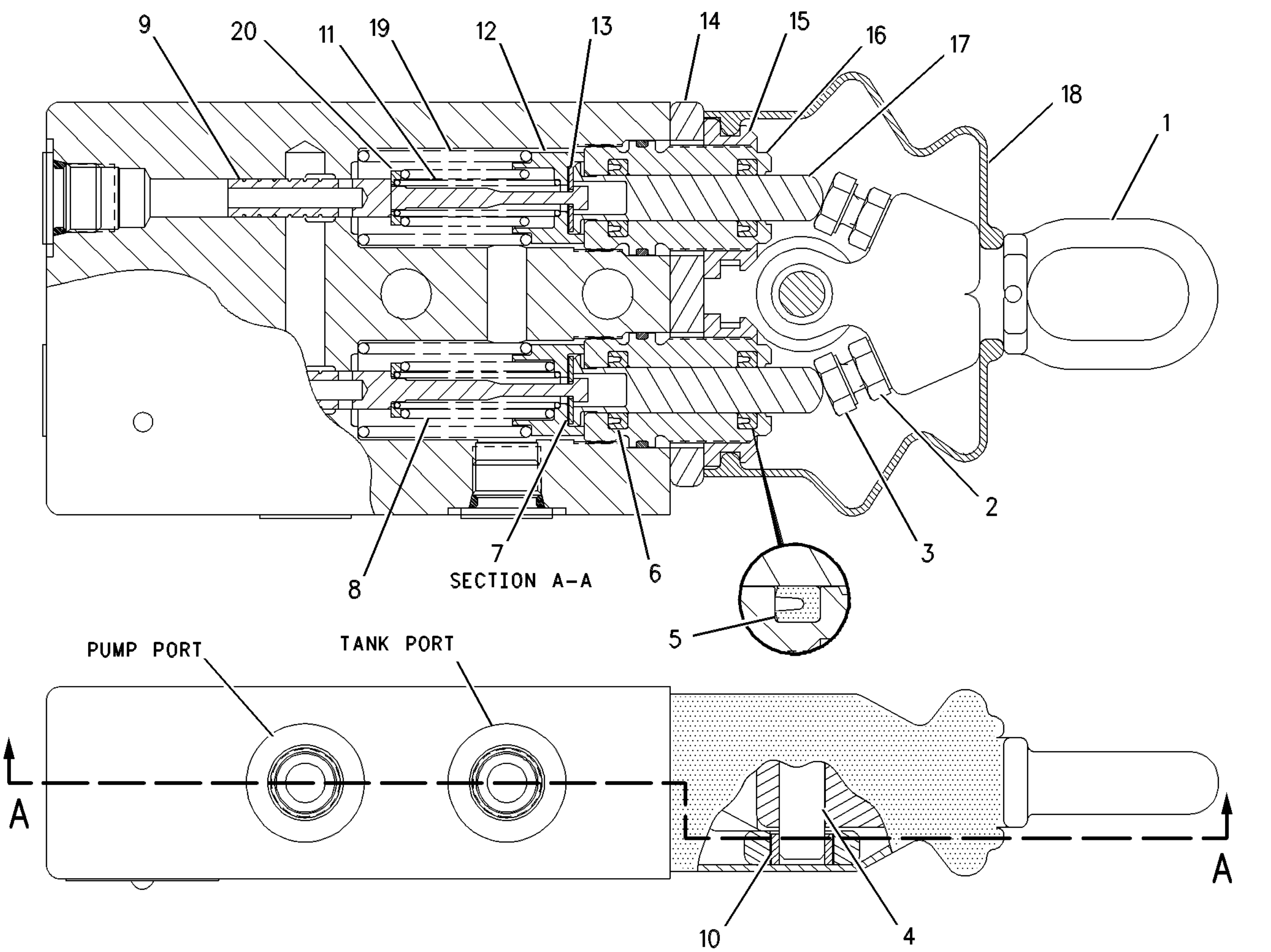
**SMCS-4307** **i00935759**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6E-1134** | 1 | LEVER | |
| | 2 | 1 | **1B-4427** | 2 | NUT-JAM (1/4-20 THD) | |
| | 3 | 1 | **114-5157** | 2 | ADJUSTER | |
| | 4 | 1 | **6E-1135** | 1 | PIN | |
| | 5 | 1 | **1U-3147** | 4 | SEAL-U-CUP | |
| | 6 | 1 | **033-6044** | 2 | SEAL-O-RING (20.35MM ID) | |
| B | 7 | 1 | **5S-7018** | 4 | SPACER (.25MM THK) | |
| | 8 | 1 | **6E-1982** | 2 | SPRING (MIDDLE) | |
| C | 9 | 1 | **1U-2073** | 2 | STEM | |
| | 10 | 1 | **3N-2818** | 2 | BEARING | |
| | 11 | 1 | **6E-1981** | 2 | SPRING (INNER) | |
| | 12 | 1 | **6E-1136** | 2 | RETAINER | |
| | 13 | 1 | **1U-2071** | 2 | RETAINER | |
| | 14 | 1 | **6E-1133** | 1 | BRACKET | |
| | 15 | 1 | **8J-1622** | 2 | NUT | |
| | 16 | 1 | **9T-2378** | 2 | SLEEVE | |
| | 17 | 1 | **1U-2752** | 2 | PLUNGER | |
| | 18 | 1 | **1U-2765** | 1 | BOOT | |
| | 19 | 1 | **1W-3963** | 2 | SPRING-OUTER | |
| | 20 | 1 | **6E-2193** | 2 | RETAINER | |

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE

## 9T-8693 VALVE GP-PILOT *(contd.)*

i00935759




GRAPHIC #1

g00471030

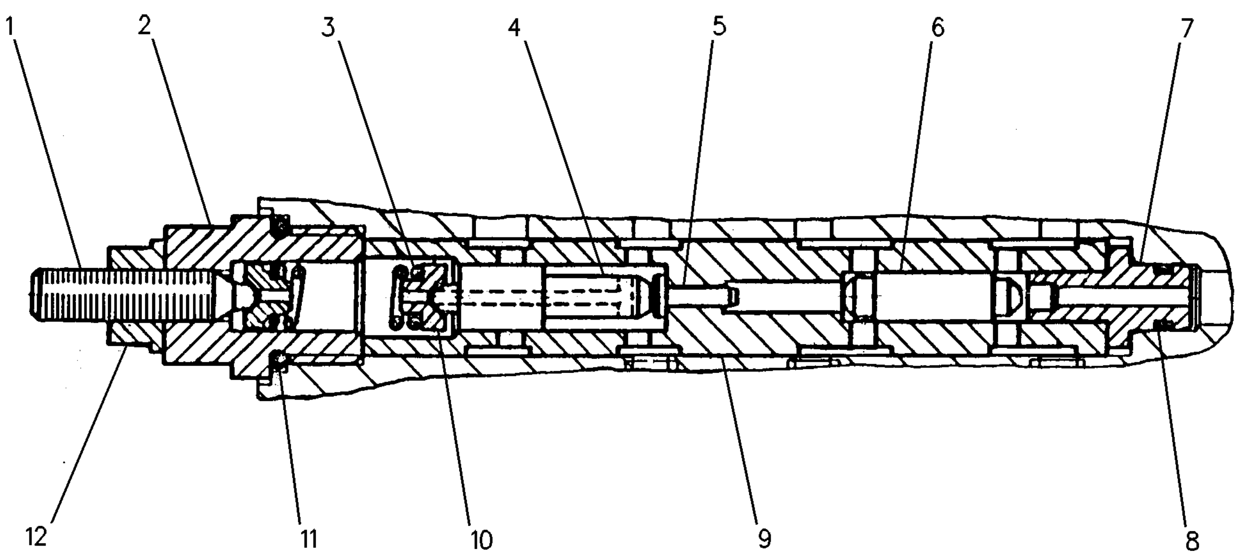
# 6E-4392 VALVE GP-PRESSURE COMPENSATOR

S/N: AKA1-UP

PART OF 183-8414 HEAD GP-PUMP

SMCS-5086 i01138781

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6E-4401** | 1 | SETSCREW-ADJUSTMENT | |
| | 2 | 1 | **6E-4393** | 1 | PLUG | |
| | 3 | 1 | **6E-4399** | 1 | SPRING | |
| | 4 | 1 | **6E-4395** | 1 | PISTON | |
| | 5 | 1 | **6E-4396** | 1 | PISTON | |
| | 6 | 1 | **6E-4397** | 1 | PISTON | |
| | 7 | 1 | **6E-4398** | 1 | SEAT | |
| | 8 | 1 | **6V-5586** | 1 | SEAL-O-RING (6.07MM ID) | |
| | 9 | 1 | **6E-4394** | 1 | PISTON | |
| | 10 | 1 | **6E-4400** | 2 | RETAINER-SPRING | |
| | 11 | 1 | **6V-8351** | 1 | SEAL-O-RING | |
| | 12 | 1 | **6E-1607** | 1 | LOCKNUT-SEALING | |




GRAPHIC #1 g00228708

# MEMORANDA

# 163-0057 VALVE GP-PRESSURE CONTROL

S/N: AKA1-UP

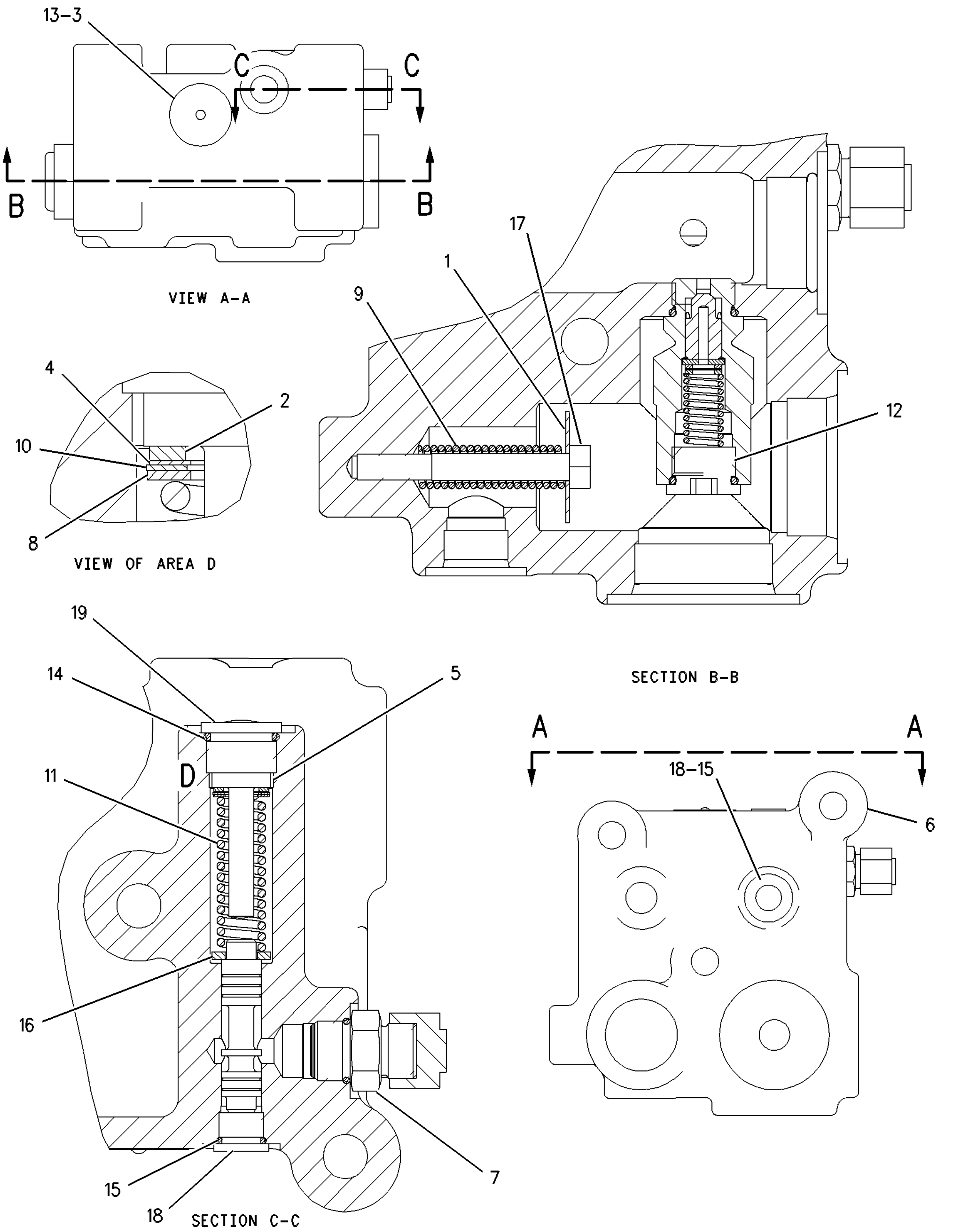
PART OF 159-9309 LINES GP-STEERING

SMCS-4307 i01473111

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1V-0358** | 1 | WASHER | |
| | 2 | 1 | **3K-6223** | 1 | WASHER (1.27MM THK) | |
| | 3 | 1 | **4B-4158** | 1 | SCREW-DRIVE (3/16X0.25 IN) | |
| B | 4 | 1 | **6B-0387** | | GASKET | |
| | 5 | 1 | **6E-1960** | 1 | STOP | |
| | 6 | 1 | **6E-4642** | 1 | VALVE GP | |
| | 7 | 1 | **6E-5196** | 1 | VALVE GP-CHECK | |
| B | 8 | 1 | **6J-0450** | | SHIM (.79MM THK) | |
| | 9 | 1 | **7T-0095** | 1 | SPRING | |
| B | 10 | 1 | **7T-0522** | | SHIM (.5MM THK) | |
| | 11 | 1 | **9T-8621** | 1 | SPRING | |
| Y | 12 | 1 | **9T-9850** | 1 | VALVE GP-RELIEF | 546 |
| | 13 | 1 | **163-1592** | 1 | PLATE-IDENTIFICATION | |
| | 14 | 1 | **2M-9780** | 1 | SEAL-O-RING | |
| | 15 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 16 | 1 | **5M-2894** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 17 | 1 | **6V-0825** | 1 | BOLT-LOCKING (5/16-18X2.5 IN THD) | |
| | 18 | 1 | **9S-8004** | 2 | PLUG-HEX | |
| | 19 | 1 | **9S-8006** | 1 | PLUG | |

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

## 163-0057 VALVE GP-PRESSURE CONTROL *(contd.)* i01473111




GRAPHIC #1 g00523932

## 9T-9850 VALVE GP-RELIEF

**S/N: AKA1-UP**

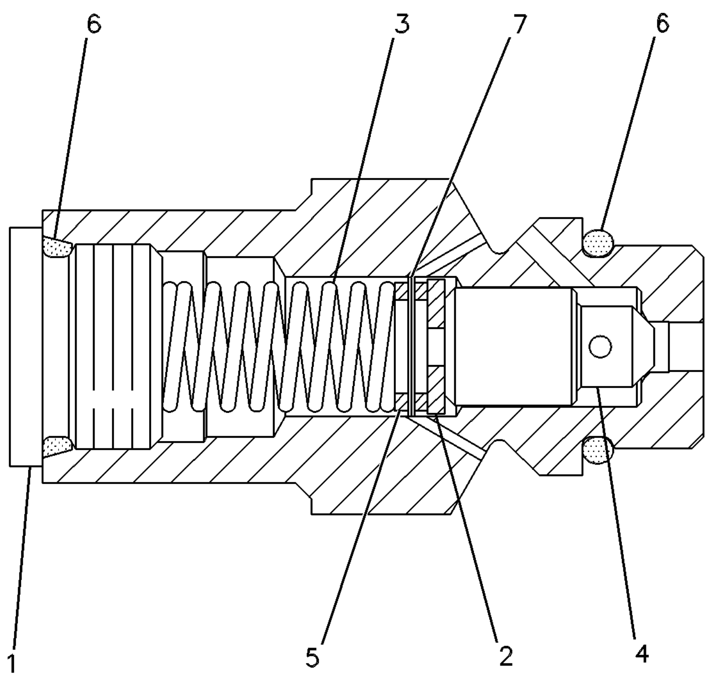
**DIRECT OPERATED**

**PART OF 163-0057 VALVE GP-PRESSURE CONTROL**

**SMCS-4307** **i00571833**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-8005** | 1 | PLUG-O-RING (3/4-16 THD) | |
| | 2 | 1 | **9T-6783** | 1 | WASHER (1.6MM THK) | |
| | 3 | 1 | **4T-1044** | 1 | SPRING | |
| | 4 | 1 | **9T-6043** | 1 | VALVE | |
| B | 5 | 1 | **6J-8696** | 2 | SHIM (1.22MM THK) | |
| | 6 | 1 | **3K-0360** | 2 | SEAL-O-RING (16.36MM ID) | |
| B | 7 | 1 | **5J-6153** | 2 | SHIM (.193MM THK) | |

B-USE AS REQUIRED




GRAPHIC #1

g00257054

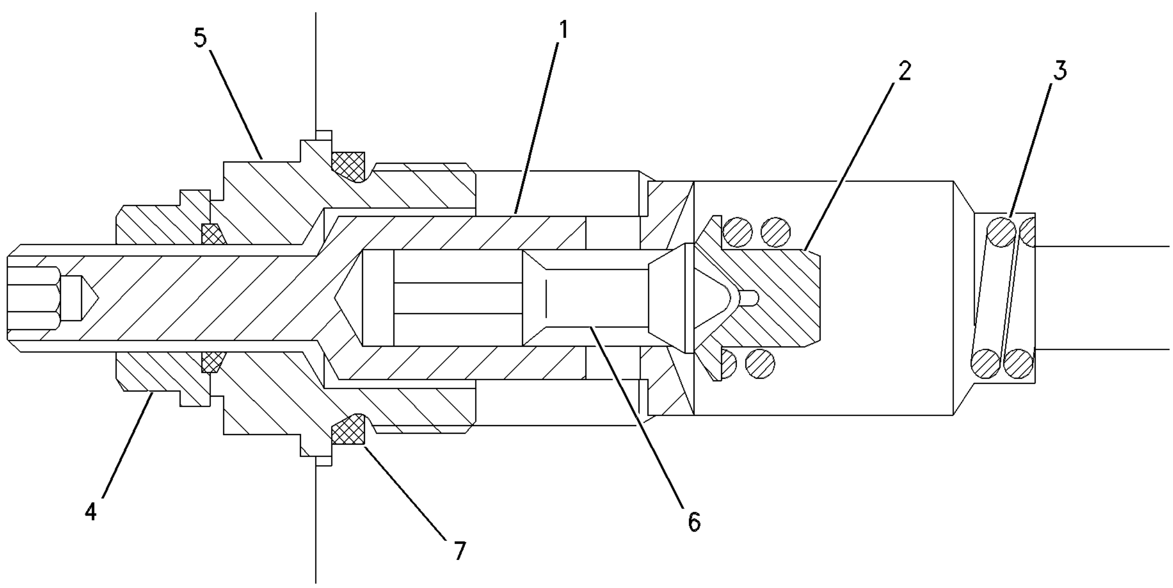
# *183-8409* VALVE GP-RELIEF

**S/N: AKA1-UP**

**PART OF 183-8414 HEAD GP-PUMP**

**SMCS-4307** **i01320719**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **183-8410** | 1 | SCREW | |
| | 2 | 1 | **183-8412** | 1 | RETAINER | |
| | 3 | 1 | **183-8413** | 1 | SPRING | |
| | 4 | 1 | **6E-4240** | 1 | NUT-SEALING | |
| | 5 | 1 | **6E-4403** | 1 | PLUG | |
| | 6 | 1 | **6E-4404** | 1 | VALVE-POPPET | |
| | 7 | 1 | **6V-5326** | 1 | SEAL-O-RING (23.47MM ID) | |




GRAPHIC #1

g00664657

# *183-8430* ACTUATOR GP-PISTON PUMP

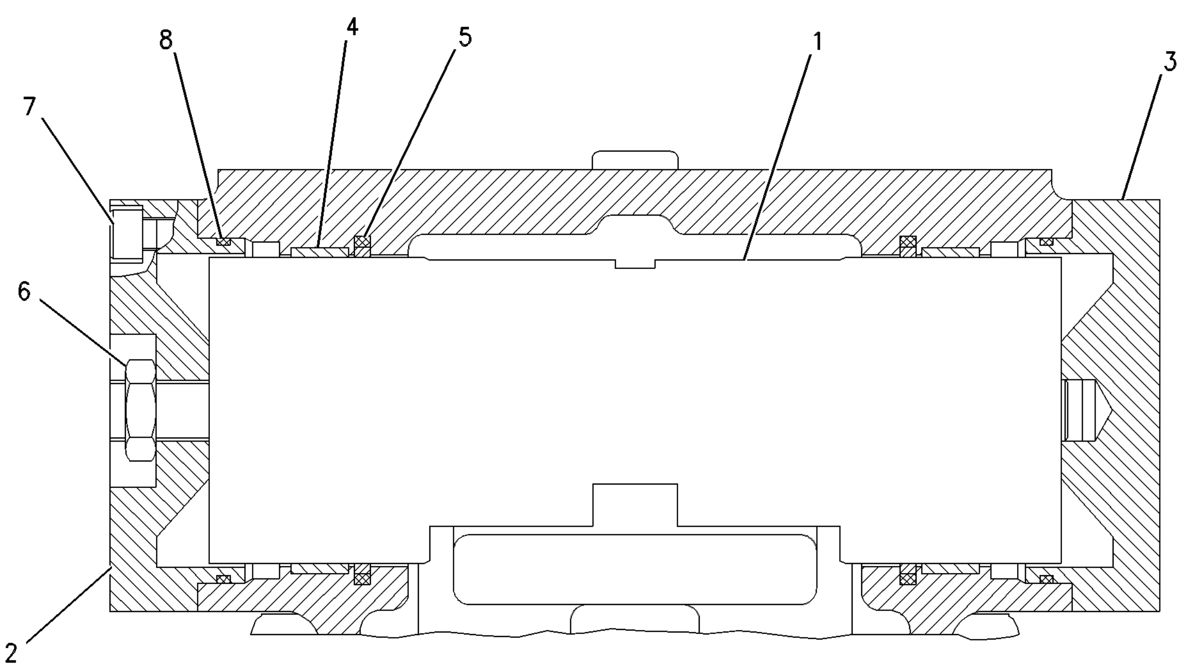
S/N: AKA1-UP

PART OF 139-4151 PUMP GP-PISTON

SMCS-5070, 5078, 5086 i01320712

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **183-8417** | 1 | VALVE GP-SERVO | 368 |
| | 2 | 1 | **183-8431** | 1 | COVER | |
| | 3 | 1 | **183-8442** | 1 | COVER | |
| | 4 | 1 | **183-8443** | 2 | RING-WEAR | |
| | 5 | 1 | **183-8444** | 2 | RING-SEAL | |
| | 6 | 1 | **119-0942** | 1 | NUT | |
| M | 7 | 1 | **5A-3604** | 8 | BOLT-SOCKET HEAD (M8X1.25X25MM) | |
| | 8 | 1 | **8C-3089** | 2 | SEAL-O-RING (82.22MM ID) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00664406

## *160-1806* CONTROL AR-HYDRAULIC

**S/N: AKA1-UP**

**SMCS-5050** **i01452643**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *157-7331* | 1 | CONTROL AR-PILOT HYDRAULIC | 553 |
| Y | *157-8027* | 1 | LINES GP-RIPPER | 610 |
| | | | | |
| | **197-5108** | 1 | FILM-INSTRUCTION (RIPPER CONTROL) | |
| | | | (INSTALL ON RAISED SURFACE TO THE RIGHT OF CONTROL) | |

Y-SEPARATE ILLUSTRATION

# *160-4781* CONTROL AR-HYDRAULIC

**S/N: AKA1-UP**

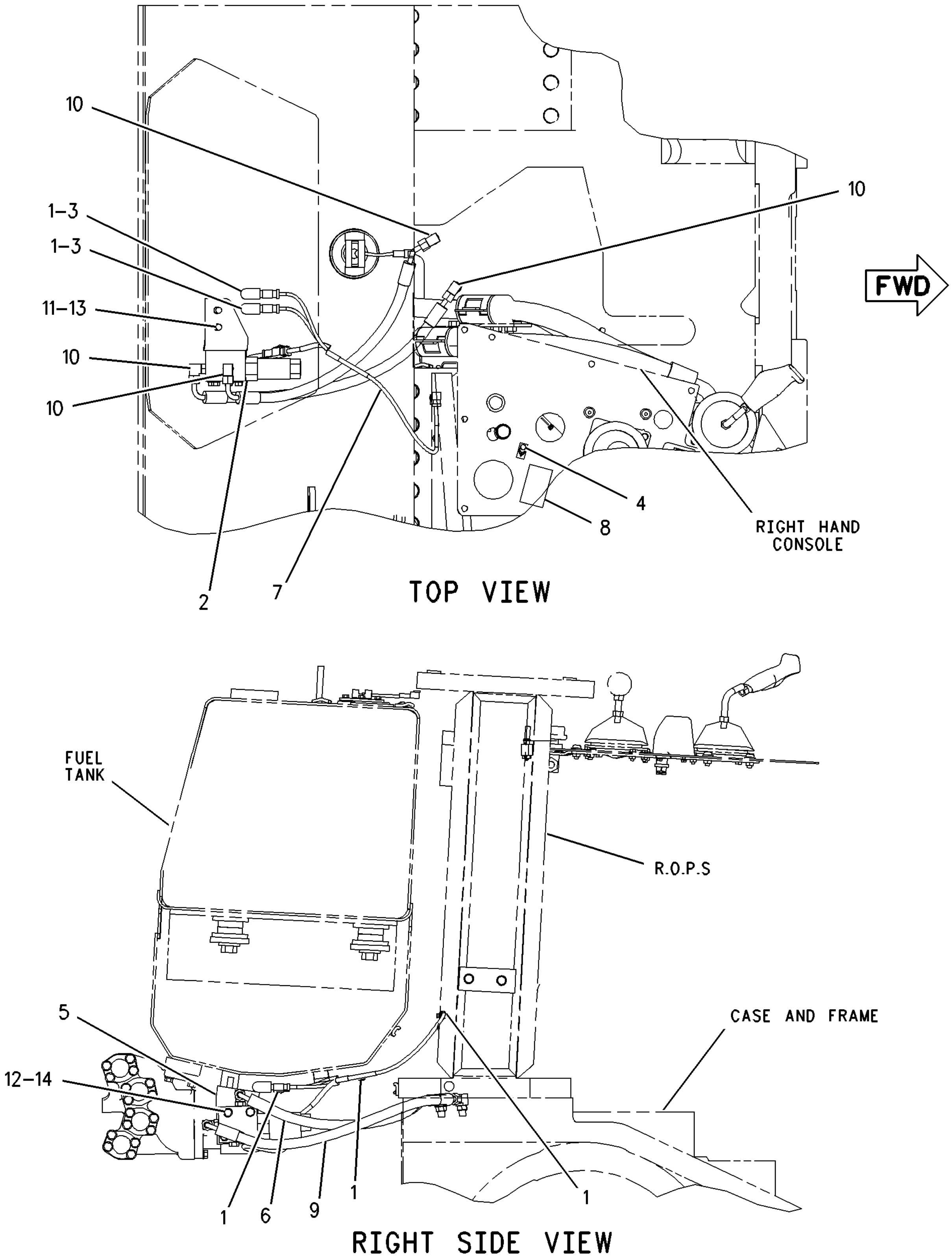
**PIN PULLER**

**SMCS-5050** **i01488903**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-6772** | 6 | STRAP-CABLE | |
| Y | 2 | 1 | *188-6140* | 1 | VALVE & MTG GP-CONTROL | 633 |
| | 3 | 1 | **106-8704** | 2 | SUPPRESSOR AS-ARC | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 4 | 1 | **146-0240** | 1 | SWITCH AS-TOGGLE (LOCKING) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **6T-3631** | 2 | NUT-HEX (15/32-32 THD) | |
| | | 1 | **6T-3632** | 1 | LOCKWASHER | |
| | | 1 | **6T-3633** | 1 | RING-LOCKING | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | 5 | 1 | **160-4782** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| I | 6 | 1 | **160-4784** | 1 | HOSE AS | |
| | 7 | 1 | **164-4940** | 1 | HARNESS AS | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 8 | 1 | **137-3936** | 1 | FILM-INSTRUCTION | |
| | 9 | 1 | **198-4585** | 1 | HOSE AS | |
| | 10 | 1 | *148-8378* | 4 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8724** | 1 | ELBOW | |
| | 11 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 12 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 13 | 1 | **8T-8917** | 2 | BOLT (1/2-13X1.25 IN) | |
| | 14 | 1 | **8T-8915** | 4 | BOLT (3/8-16X3.25 IN) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

*160-4781* **CONTROL AR-HYDRAULIC** ***(contd.)*** **i01488903**




GRAPHIC #1 g00758400

# *157-0824* CONTROL AR-PILOT HYDRAULIC

**S/N: AKA1-UP**

**DOZER**

**PART OF 157-0823 HYDRAULIC AR**

**SMCS-5059, 5063** **i01487054**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **161-3615** | 1 | CONTROL GP-IMPLEMENT | 758 |
| Y | *157-7329* | 1 | LINES GP-PILOT | 588 |
| Y | *157-7328* | 1 | MOUNTING GP-CONTROL | 805 |
| Y | **160-5952** | 1 | VALVE GP-CONTROL | 640 |
| Y | **200-0189** | 1 | VALVE GP-PILOT (DOZER) | 658 |

Y-SEPARATE ILLUSTRATION

# *157-7331* CONTROL AR-PILOT HYDRAULIC

**S/N: AKA1-UP**

**PART OF 160-1806 CONTROL AR-HYDRAULIC**

**SMCS-5059, 5063** **i01452645**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **161-3615** | 1 | CONTROL GP-IMPLEMENT | 758 |
| Y | *161-3616* | 1 | HANDLE GP-JOYSTICK | 763 |
| Y | *157-8029* | 1 | LINES GP-PILOT | 594 |
| Y | *163-3436* | 1 | MOUNTING GP-CONTROL | 806 |
| Y | **160-5951** | 1 | VALVE GP-CONTROL | 638 |
| Y | **159-9549** | 1 | VALVE GP-PILOT | 652 |
| Y | **184-5321** | 1 | VALVE GP-PILOT | 656 |

Y-SEPARATE ILLUSTRATION

# *160-5560* CONTROL AR-PILOT HYDRAULIC

**S/N: AKA1-UP**

**DOZER & WINCH**

**PART OF 160-5556 CONTROL AR-BULLDOZER & WINCH**

**SMCS-5059, 5063** **i01488928**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **161-3615** | 1 | CONTROL GP-IMPLEMENT | 758 |
| Y | *161-1014* | 1 | LINES GP-PILOT | 600 |
| Y | *163-3436* | 1 | MOUNTING GP-CONTROL | 806 |
| Y | **160-8612** | 1 | VALVE GP-CONTROL | 646 |
| Y | **200-0189** | 1 | VALVE GP-PILOT (DOZER) | 658 |
| Y | **160-0766** | 1 | VALVE GP-PILOT (WINCH) | 654 |

Y-SEPARATE ILLUSTRATION

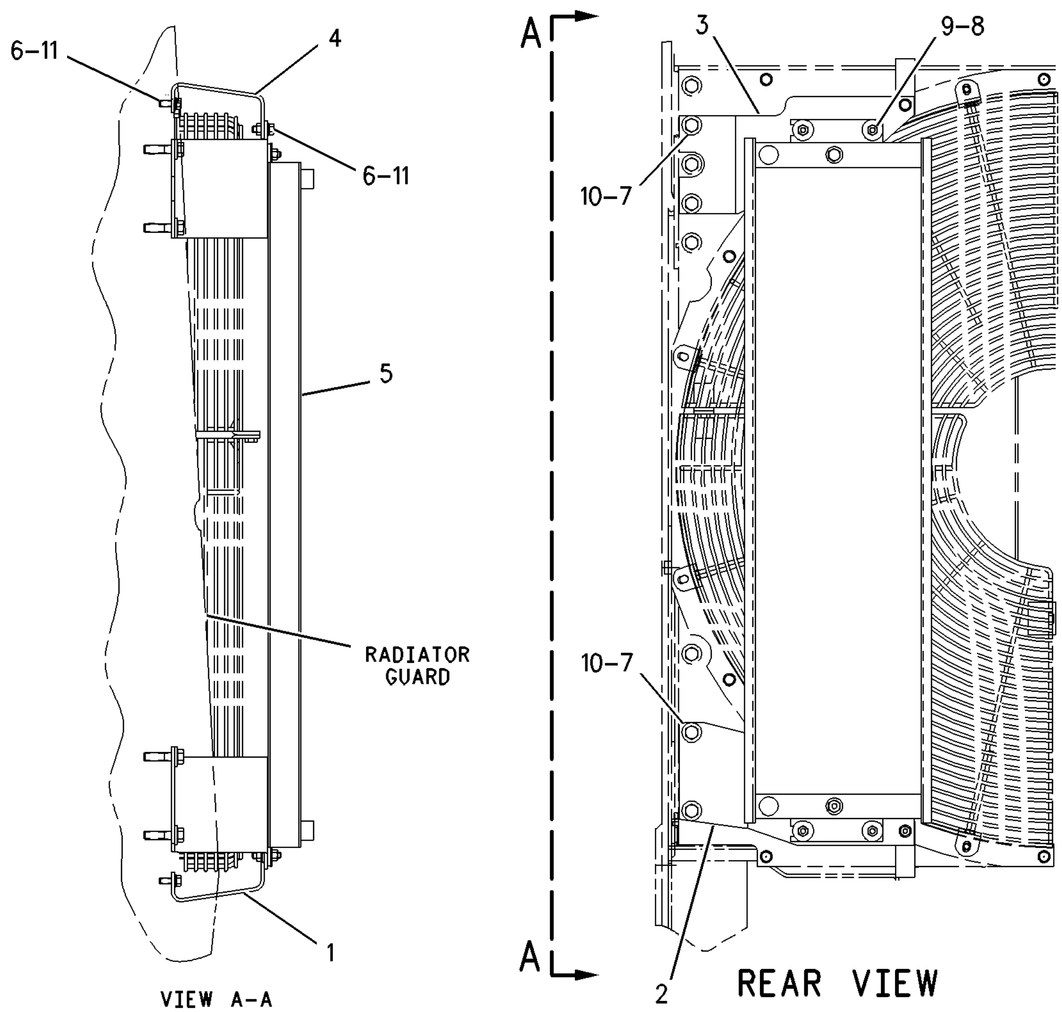
# *109-9677* COOLER GP-HYDRAULIC OIL

S/N: AKA1-UP

PART OF 159-5908 INSTALLATION AR-ENGINE

SMCS-1374, 5071 i01503088

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **110-6917** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 2 | 1 | **110-6938** | 1 | BRACKET AS | |
| | | 1 | **7M-7794** | 2 | STUD-WELD | |
| | 3 | 1 | **118-0227** | 1 | BRACKET AS | |
| | | 1 | **7M-7794** | 2 | STUD-WELD | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **172-1672** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 5 | 1 | **194-6083** | 1 | CORE AS-HYDRAULIC OIL COOLER | |
| | | 1 | **8T-6767** | 2 | PLUG-PIPE | |
| | 6 | 1 | **4L-6454** | 4 | BOLT (3/8-16X1 IN) | |
| | 7 | 1 | **5P-1076** | 4 | WASHER-HARD (13.5X30X4MM THK) | |
| | 8 | 1 | **6V-8801** | 4 | NUT (3/8-16 THD) | |
| | 9 | 1 | **8T-2561** | 4 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 10 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |
| | 11 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |




GRAPHIC #1 g00735983

# HYDRAULIC SYSTEM

## *108-6979* CYLINDER & LINES GP-LIFT—LH

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

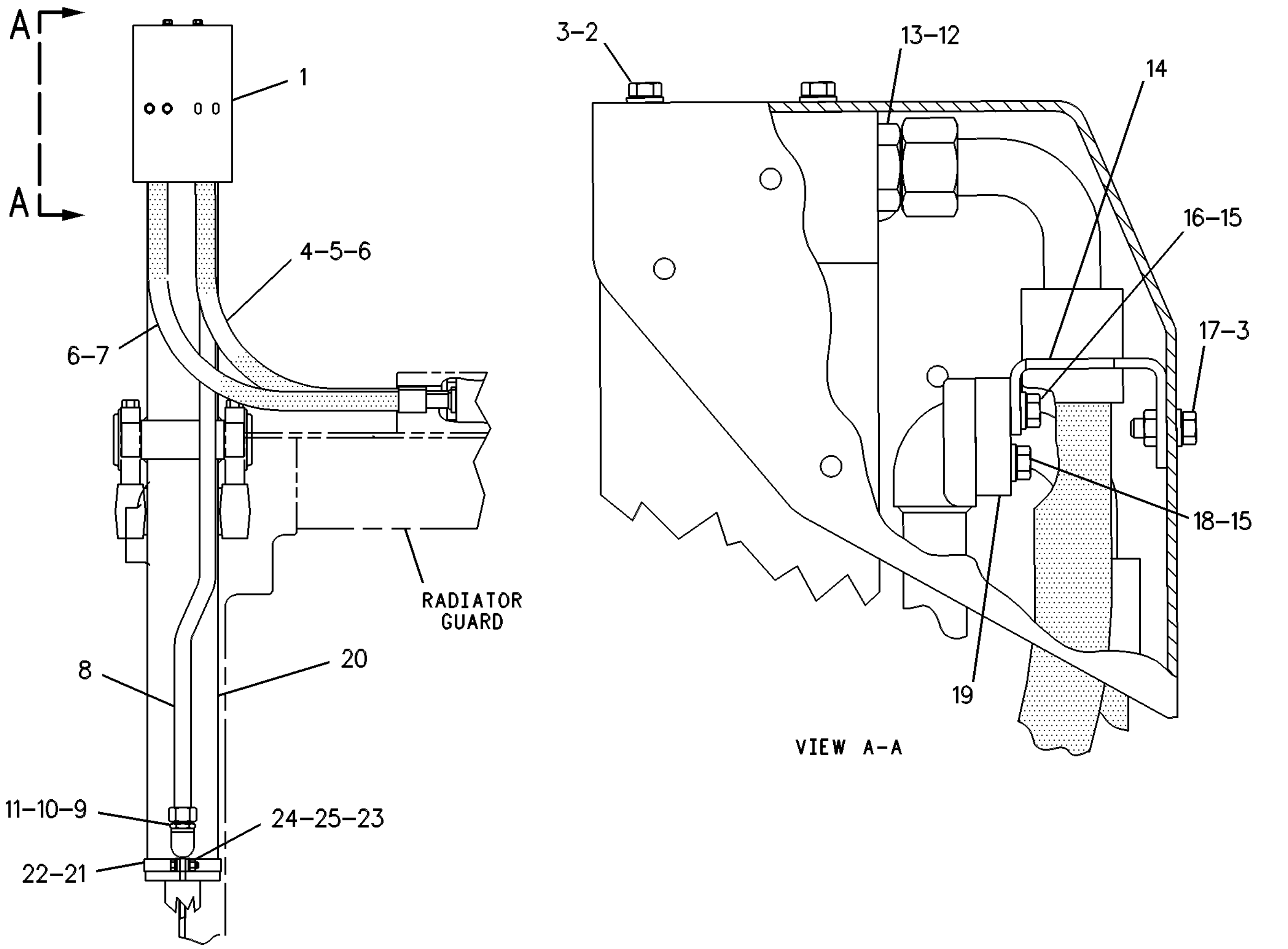
**PART OF 159-8377 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-5102** **i00569877**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-8334** | 1 | PLATE AS | |
| | 2 | 1 | **5S-7379** | 4 | BOLT (3/8-16X.875IN) | |
| | 3 | 1 | **5P-1075** | 6 | WASHER-HARD (3MM THK) | |
| I | 4 | 1 | **108-6981** | 1 | HOSE AS | |
| | 5 | 1 | **5K-9090** | 1 | SEAL-O-RING (23.52MM ID) | |
| | 6 | 1 | **4J-0520** | 3 | SEAL-O-RING (32.92MM ID) | |
| I | 7 | 1 | **108-6982** | 1 | HOSE AS | |
| | 8 | 1 | **9U-8676** | 1 | TUBE AS | |
| | 9 | 1 | **9X-8260** | 1 | CONNECTOR-O-RING | |
| | 10 | 1 | **4K-1388** | 1 | SEAL-O-RING (26.59MM ID) | |
| | 11 | 1 | **6V-8400** | 1 | SEAL-O-RING (29.9MM ID) | |
| | 12 | 1 | **2S-4078** | 1 | SEAL-O-RING (37.46MM ID) | |
| | 13 | 1 | **6V-9875** | 1 | CONNECTOR | |
| | 14 | 1 | **8E-6269** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 15 | 1 | **8T-4896** | 4 | WASHER-HARD (2.5MM THK) | |
| | 16 | 1 | **4L-9337** | 2 | BOLT (3/8-16X1.50IN) | |
| | 17 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1.0IN) | |
| | 18 | 1 | **5S-7382** | 2 | BOLT (3/8-16X1.375IN) | |
| | 19 | 1 | **1P-4577** | 2 | FLANGE-HALF | |
| Y | 20 | 1 | **6E-1102** | 1 | CYLINDER GP-BULLDOZER LIFT | 563 |
| | 21 | 1 | **8E-6303** | 1 | CLIP (TAB) | |
| | 22 | 1 | **8E-6304** | 1 | CLIP (SLOT) | |
| | 23 | 1 | **8T-8919** | 1 | BOLT (1/2-13X1.75IN) | |
| | 24 | 1 | **6V-8188** | 1 | NUT (1/2-13 THD) | |
| | 25 | 1 | **8T-4223** | 2 | WASHER-HARD (3MM THK) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

*108-6979* **CYLINDER & LINES GP-LIFT** ***(contd.)*** **i00569877**




GRAPHIC #1

g00256021

# *108-6980* CYLINDER & LINES GP-LIFT—RH

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

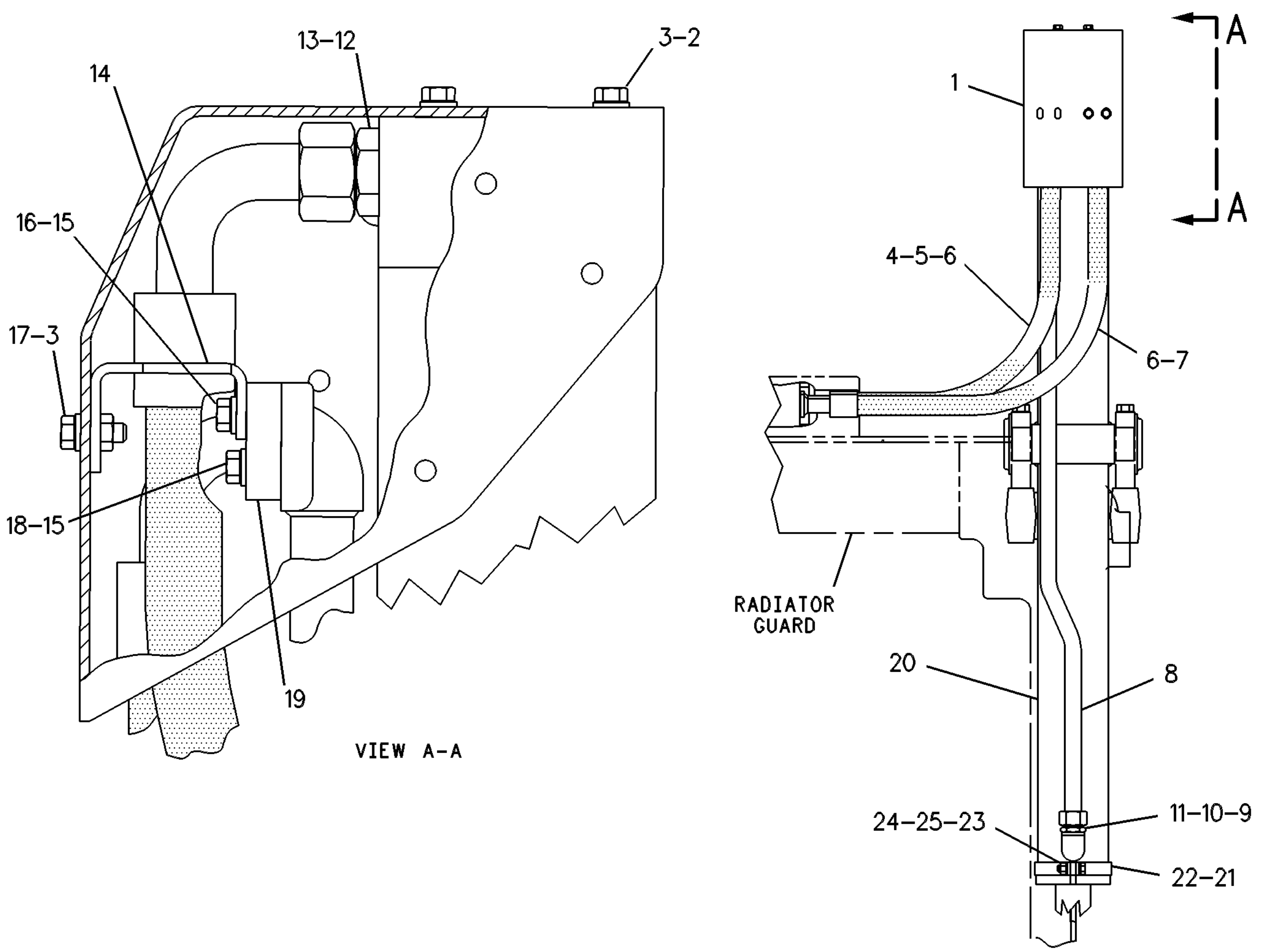
**PART OF 159-8377 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-5102** **i00569887**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-8334** | 1 | PLATE AS | |
| | 2 | 1 | **5S-7379** | 4 | BOLT (3/8-16X.875IN) | |
| | 3 | 1 | **5P-1075** | 6 | WASHER-HARD (3MM THK) | |
| I | 4 | 1 | **108-6981** | 1 | HOSE AS | |
| | 5 | 1 | **5K-9090** | 1 | SEAL-O-RING (23.52MM ID) | |
| | 6 | 1 | **4J-0520** | 3 | SEAL-O-RING (32.92MM ID) | |
| I | 7 | 1 | **108-6982** | 1 | HOSE AS | |
| | 8 | 1 | **8E-8330** | 1 | TUBE AS | |
| | 9 | 1 | **9X-8260** | 1 | CONNECTOR-O-RING | |
| | 10 | 1 | **4K-1388** | 1 | SEAL-O-RING (26.59MM ID) | |
| | 11 | 1 | **6V-8400** | 1 | SEAL-O-RING (29.9MM ID) | |
| | 12 | 1 | **2S-4078** | 1 | SEAL-O-RING (37.46MM ID) | |
| | 13 | 1 | **6V-9875** | 1 | CONNECTOR | |
| | 14 | 1 | **8E-6269** | 1 | BRACKET AS | |
| | 15 | 1 | **8T-4896** | 4 | WASHER-HARD (2.5MM THK) | |
| | 16 | 1 | **4L-9337** | 2 | BOLT (3/8-16X1.50IN) | |
| | 17 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1.0IN) | |
| | 18 | 1 | **5S-7382** | 2 | BOLT (3/8-16X1.375IN) | |
| | 19 | 1 | **1P-4577** | 2 | FLANGE-HALF | |
| Y | 20 | 1 | **6E-1102** | 1 | CYLINDER GP-BULLDOZER LIFT | 563 |
| | 21 | 1 | **8E-6303** | 1 | CLIP (TAB) | |
| | 22 | 1 | **8E-6304** | 1 | CLIP (SLOT) | |
| | 23 | 1 | **8T-8919** | 1 | BOLT (1/2-13X1.75IN) | |
| | 24 | 1 | **6V-8188** | 1 | NUT (1/2-13 THD) | |
| | 25 | 1 | **8T-4223** | 2 | WASHER-HARD (3MM THK) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

*108-6980* **CYLINDER & LINES GP-LIFT** *(contd.)* **i00569887**




GRAPHIC #1 g00256017

# *136-1687* CYLINDER & LINES GP-TILT

S/N: AKA1-UP

COLD WEATHER

SMCS-5104 i01488418

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **4Z-6311** | 1 | CYLINDER GP-TILT | 578 |
| | | | | |
| | **137-5914** | 2 | HOSE AS | |
| | | | 84CM LENGTH EACH | |
| | | | 1-90 & 1-60 DEGREE COUPLING | |
| | **203-7819** | 1 | HOSE AS | |
| | | | 90 DEGREE COUPLING | |
| | | | 93CM LENGTH | |
| | **203-7820** | 1 | HOSE AS | |
| | | | 90 DEGREE COUPLING | |
| | | | 83.5CM LENGTH | |

Y-SEPARATE ILLUSTRATION

# *8E-3039* CYLINDER AR-TILT

S/N: AKA1-UP

SMCS-5104 i01224248

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **6E-0397** | 2 | CYLINDER GP-TILT | 580 |
| Y | *8E-6579* | 1 | LINES GP-TILT CYLINDER | 612 |

Y-SEPARATE ILLUSTRATION

# *158-4631* CYLINDER AR-TILT

**S/N: AKA1-UP**

**SMCS-5104** **i01488651**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **162-0662** | 1 | CYLINDER GP-BULLDOZER TILT (RH) | 566 |
| Y | **162-0663** | 1 | CYLINDER GP-BULLDOZER TILT (LH) | 568 |
| Y | *158-6373* | 1 | LINES GP-TILT CYLINDER | 616 |
| Y | *158-6394* | 1 | PUSH ARM GP-STABILIZER | 702 |

Y-SEPARATE ILLUSTRATION

## 6E-1102 CYLINDER GP-BULLDOZER LIFT

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

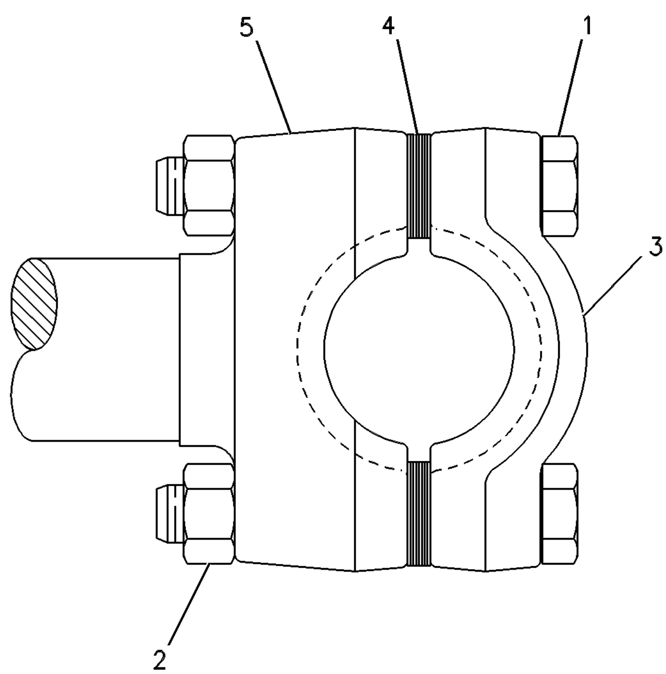
**114.3 MM (4.5 IN) BORE X 1425 MM (56.1 IN) STROKE**

**PART OF 108-6979, 108-6980 CYLINDER & LINES GP-LIFT**

**SMCS-5102** **i00570571**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9F-6936** | 4 | BOLT (1-8X6IN) | |
| | 2 | 1 | **2J-3507** | 4 | NUT-FULL (1-8 THD) | |
| | 3 | 1 | **3G-0910** | 1 | CAP-BEARING | |
| B | 4 | 1 | **3G-0911** | 28 | SHIM (.8MM THK) | |
| Y | 5 | 1 | *124-4771* | 1 | CYLINDER GP | 564 |

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00257100

# *124-4771* CYLINDER GP-BULLDOZER LIFT

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

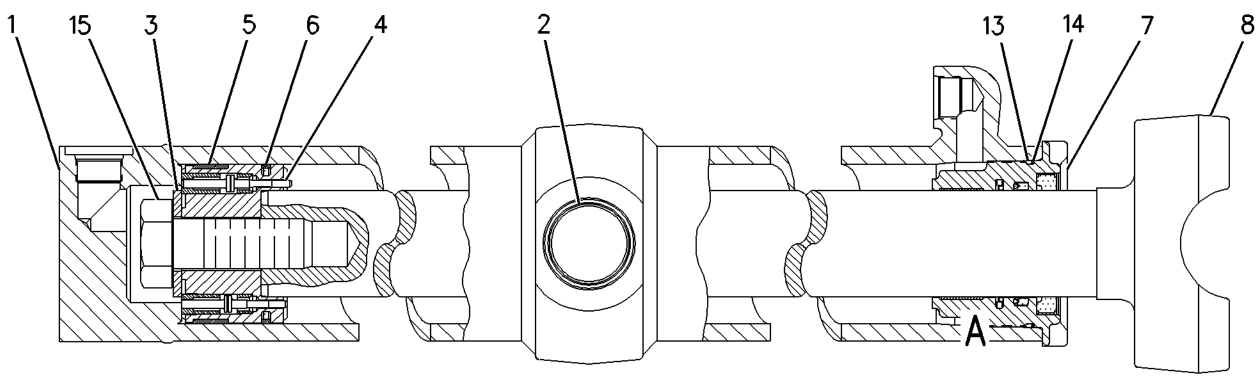
**114.3 MM (4.5 IN) BORE X 1425 MM (56.1 IN) STROKE**

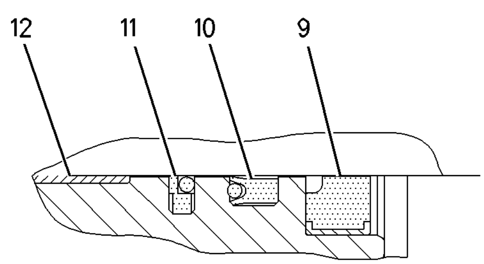
**PART OF 6E-1102 CYLINDER GP-BULLDOZER LIFT**

**SMCS-5102** **i01416973**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| R | 1 | 1 | **6E-1103** | 1 | CYLINDER AS | |
| | 2 | 1 | **6E-1108** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **106-1017** | 1 | WASHER (36.7X77X6MM THK) | |
| | 4 | 1 | **6E-1109** | 1 | PISTON AS | |
| | 5 | 1 | **4J-3745** | 1 | RING-WEAR | |
| | 6 | 1 | **9X-7269** | 1 | SEAL AS | |
| C | 7 | 1 | **163-6474** | 1 | HEAD | |
| R | 8 | 1 | **6E-1111** | 1 | ROD AS | |
| C | 9 | 1 | **167-2469** | 1 | SEAL-WIPER | |
| C | 10 | 1 | **9X-7412** | 1 | SEAL-U-CUP | |
| C | 11 | 1 | **167-2208** | 1 | SEAL AS-BUFFER | |
| | 12 | 1 | **8C-9161** | 1 | RING-WEAR | |
| C | 13 | 1 | **5H-6734** | 1 | SEAL-O-RING | |
| | 14 | 1 | **1K-7095** | 1 | RING-BACKUP | |
| CM | 15 | 1 | **173-9682** | 1 | BOLT-HEX HEAD (M36X4X100MM) | |

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE




VIEW OF AREA A

GRAPHIC #1 g00774773

# MEMORANDA

# *162-0662* CYLINDER GP-BULLDOZER TILT

S/N: AKA1-UP

184.15MM (7.25 IN)BORE X 140MM (5.5 IN)STROKE. RH

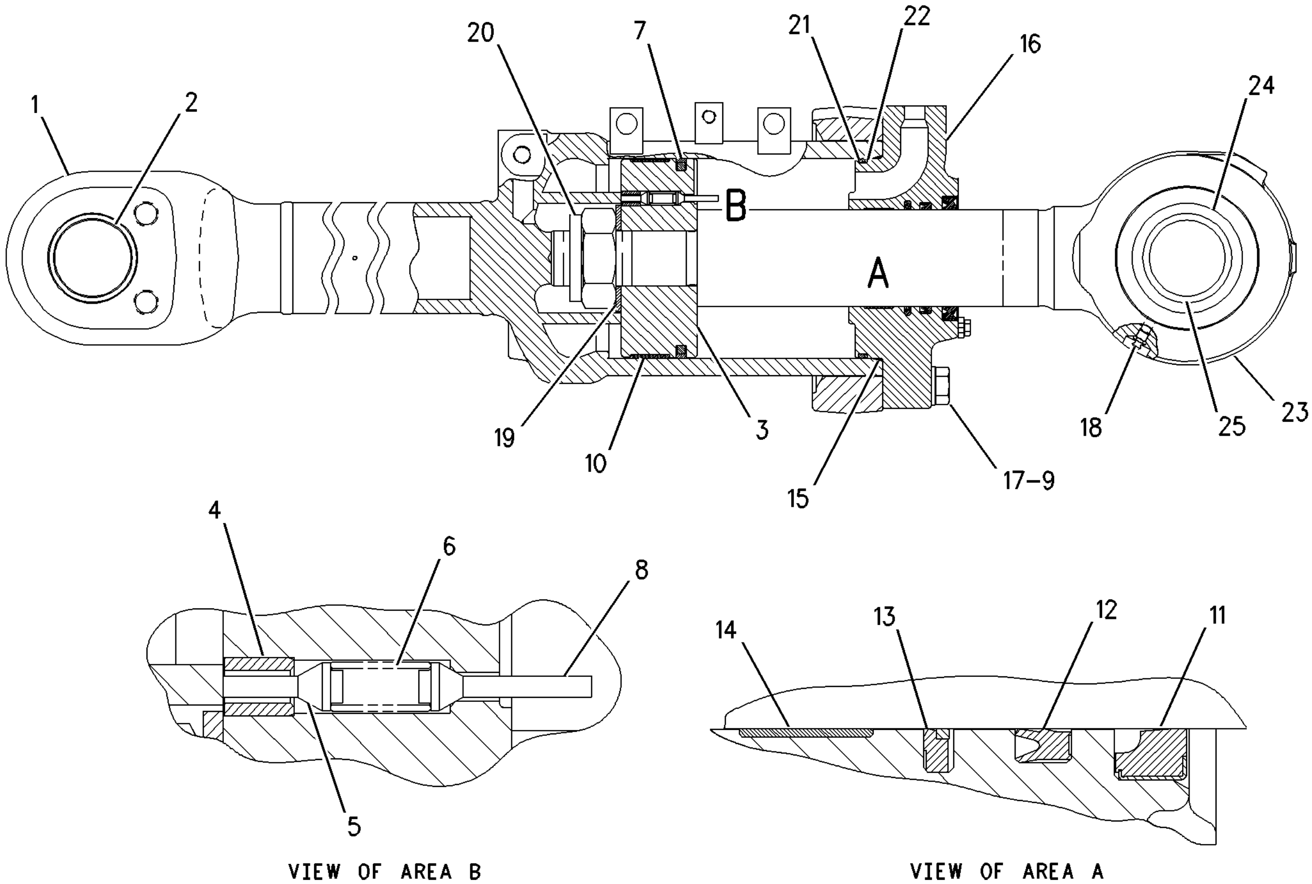
PART OF 158-4631 CYLINDER AR-TILT

SMCS-5104 i01488660

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **162-0667** | 1 | CYLINDER AS | |
| | 2 | 1 | **1U-2182** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **191-3584** | 1 | PISTON AS | |
| | 4 | 1 | **132-5182** | 1 | INSERT | |
| | 5 | 1 | **132-5183** | 1 | PLUNGER | |
| | 6 | 1 | **8H-3532** | 1 | SPRING-VALVE | |
| | 7 | 1 | **5J-4993** | 1 | SEAL AS | |
| | | 1 | **5J-4407** | 1 | RING-EXPANDER | |
| | 8 | 1 | **191-3585** | 1 | PLUNGER | |
| | 9 | 1 | **8T-3282** | 8 | WASHER-HARD (22X35X3.5MM THK) | |
| | 10 | 1 | **1J-2674** | 1 | RING-WEAR | |
| | 11 | 1 | **167-2474** | 1 | SEAL-WIPER | |
| | 12 | 1 | **167-2324** | 1 | SEAL-U-CUP | |
| | 13 | 1 | **167-2211** | 1 | SEAL AS-BUFFER | |
| | 14 | 1 | **8C-5245** | 1 | RING-WEAR | |
| | 15 | 1 | **8T-8381** | 1 | SEAL-HEAD (180.46MM ID) | |
| | 16 | 1 | **191-3583** | 1 | HEAD | |
| M | 17 | 1 | **6V-3669** | 8 | BOLT (M20X2.5X80MM) | |
| | 18 | 1 | **3B-8489** | 1 | FITTING-GREASE | |
| | 19 | 1 | **9T-5900** | 1 | WASHER | |
| | 20 | 1 | **2J-0564** | 1 | LOCKNUT | |
| | 21 | 1 | **5P-7593** | 1 | SEAL-O-RING | |
| | 22 | 1 | **1U-1738** | 1 | RING-BACKUP | |
| | 23 | 1 | **162-0677** | 1 | ROD AS | |
| | 24 | 1 | **7J-3297** | 1 | BEARING | |
| | 25 | 1 | **5J-9454** | 1 | RING-RETAINING | |

M-METRIC PART

*162-0662* **CYLINDER GP-BULLDOZER TILT** ***(contd.)*** **i01488660**




GRAPHIC #1 g00729005

# *162-0663* CYLINDER GP-BULLDOZER TILT

**S/N: AKA1-UP**

**184.15MM (7.25 IN)BORE X 140MM (5.5 IN)STROKE. LH**

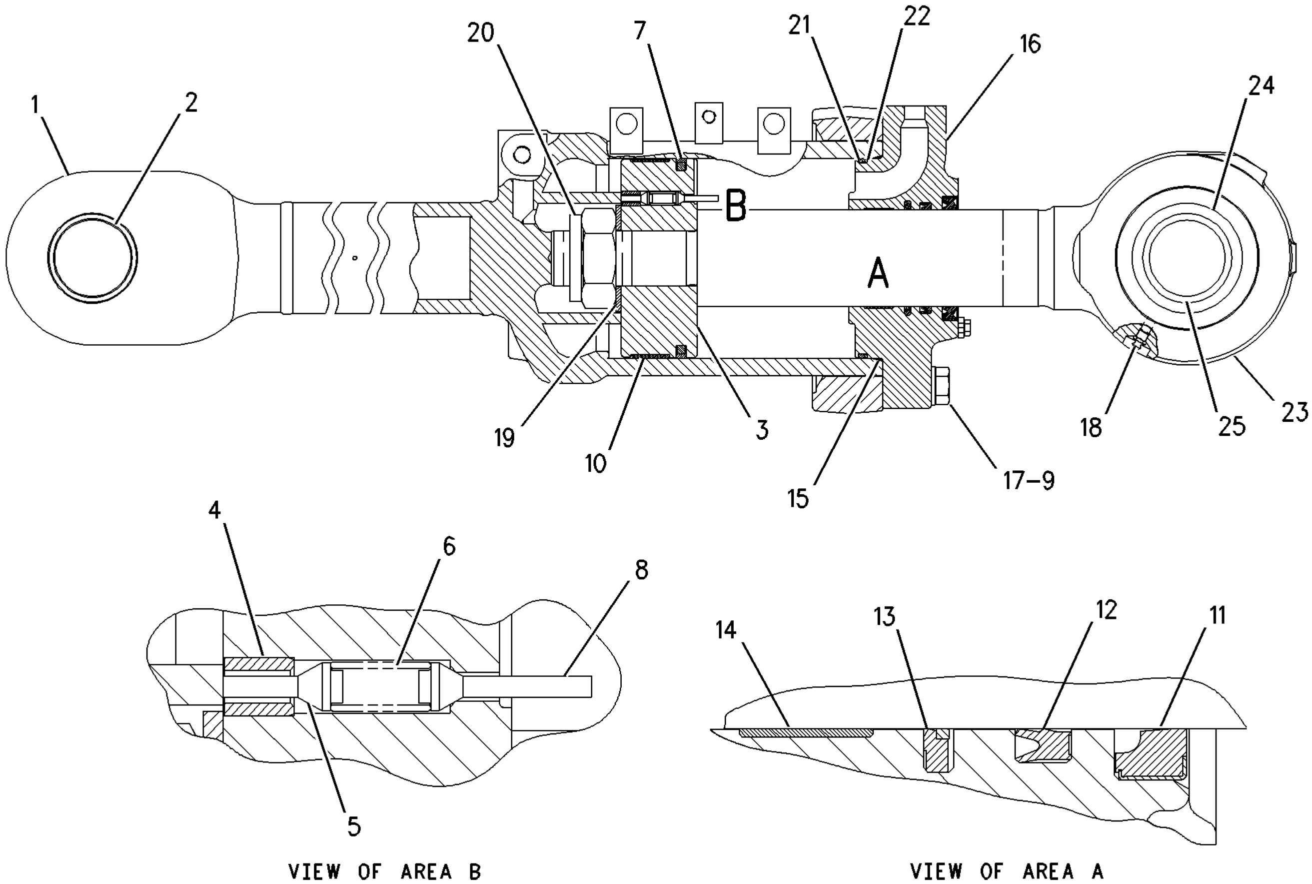
**PART OF 158-4631 CYLINDER AR-TILT**

**SMCS-5104** **i01488681**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **162-0665** | 1 | CYLINDER AS | |
| | 2 | 1 | **1U-2182** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **191-3584** | 1 | PISTON AS | |
| | 4 | 1 | **132-5182** | 1 | INSERT | |
| | 5 | 1 | **132-5183** | 1 | PLUNGER | |
| | 6 | 1 | **8H-3532** | 1 | SPRING-VALVE | |
| | 7 | 1 | **5J-4993** | 1 | SEAL AS | |
| | | 1 | **5J-4407** | 1 | RING-EXPANDER | |
| | 8 | 1 | **191-3585** | 1 | PLUNGER | |
| | 9 | 1 | **8T-3282** | 8 | WASHER-HARD (22X35X3.5MM THK) | |
| | 10 | 1 | **1J-2674** | 1 | RING-WEAR | |
| | 11 | 1 | **167-2474** | 1 | SEAL-WIPER | |
| | 12 | 1 | **167-2324** | 1 | SEAL-U-CUP | |
| | 13 | 1 | **167-2211** | 1 | SEAL AS-BUFFER | |
| | 14 | 1 | **8C-5245** | 1 | RING-WEAR | |
| | 15 | 1 | **8T-8381** | 1 | SEAL-HEAD (180.46MM ID) | |
| | 16 | 1 | **191-3583** | 1 | HEAD | |
| M | 17 | 1 | **6V-3669** | 8 | BOLT (M20X2.5X80MM) | |
| | 18 | 1 | **3B-8489** | 1 | FITTING-GREASE | |
| | 19 | 1 | **9T-5900** | 1 | WASHER | |
| | 20 | 1 | **2J-0564** | 1 | LOCKNUT | |
| | 21 | 1 | **5P-7593** | 1 | SEAL-O-RING | |
| | 22 | 1 | **1U-1738** | 1 | RING-BACKUP | |
| | 23 | 1 | **162-0677** | 1 | ROD AS | |
| | 24 | 1 | **7J-3297** | 1 | BEARING | |
| | 25 | 1 | **5J-9454** | 1 | RING-RETAINING | |

M-METRIC PART

*162-0663* **CYLINDER GP-BULLDOZER TILT** ***(contd.)*** **i01488681**




GRAPHIC #1

g00729007

# *155-3653* CYLINDER GP-RIPPER LIFT

S/N: BHD1-UP

184.15 MM (7.25 IN.) BORE X 281 MM (11.06 IN.) STROKE

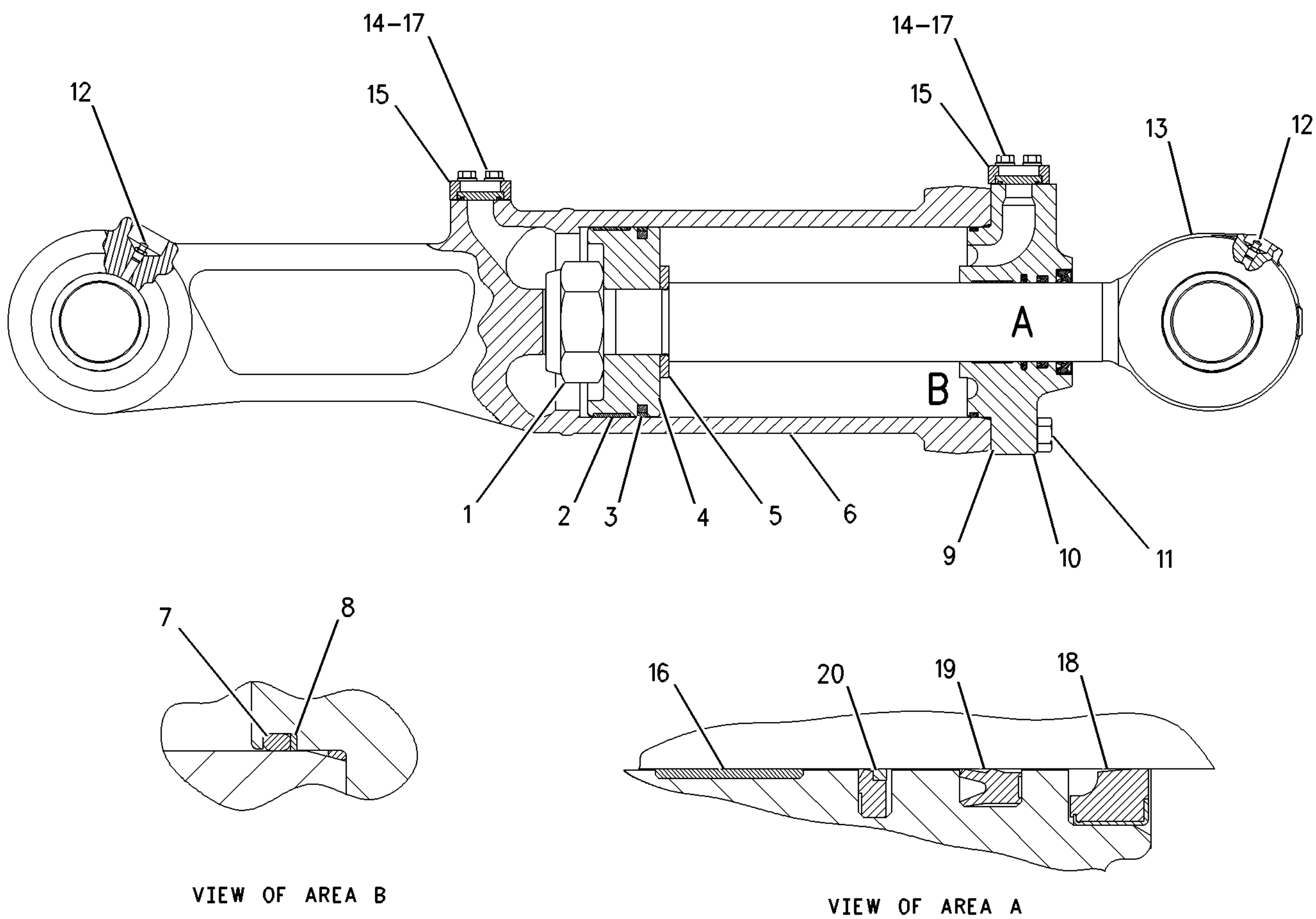
PART OF 153-3130 RIPPER AR

SMCS-5352 i01442847

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2J-7686** | 1 | LOCKNUT | |
| | 2 | 1 | **1J-2674** | 1 | RING-WEAR | |
| | 3 | 1 | **5J-4993** | 1 | SEAL AS | |
| | | 1 | **5J-4407** | 1 | RING-EXPANDER | |
| | | 1 | **5J-4408** | 1 | SEAL | |
| | 4 | 1 | **1U-2716** | 1 | PISTON | |
| | 5 | 1 | **6J-9121** | 1 | WASHER | |
| | 6 | 1 | **155-3850** | 1 | CYLINDER AS | |
| | | 1 | **3G-5999** | 1 | BEARING-SLEEVE | |
| | 7 | 1 | **5P-7593** | 1 | SEAL-O-RING (170.82MM ID) | |
| | 8 | 1 | **158-3027** | 1 | RING-BACKUP | |
| | 9 | 1 | **8T-8381** | 1 | SEAL-HEAD (180.46MM ID) | |
| | 10 | 1 | **155-3849** | 1 | HEAD | |
| M | 11 | 1 | **6V-5845** | 8 | BOLT (M20X2.5X70MM) | |
| | 12 | 1 | **3B-8489** | 2 | FITTING-GREASE | |
| R | 13 | 1 | **9T-0584** | 1 | ROD AS | |
| | | 1 | **0R-3082** | 1 | ROD AS | |
| | | 1 | **3G-5999** | 1 | BEARING-SLEEVE | |
| | 14 | 1 | **8T-4121** | 8 | WASHER-HARD (11X21X2.5MM THK) | |
| | 15 | 1 | **8C-3206** | 4 | FLANGE-HALF | |
| | 16 | 1 | **8T-1714** | 1 | RING-WEAR | |
| M | 17 | 1 | **8T-4196** | 8 | BOLT (M10X1.5X35MM) | |
| | 18 | 1 | **167-2469** | 1 | SEAL-WIPER | |
| | 19 | 1 | **167-2319** | 1 | SEAL-U-CUP | |
| | 20 | 1 | **167-2208** | 1 | SEAL AS-BUFFER | |

M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

*155-3653* **CYLINDER GP-RIPPER LIFT** ***(contd.)*** **i01442847**




GRAPHIC #1 g00730044

# 6E-3113 CYLINDER GP-RIPPER PIN PULLER

**S/N: AKA1-UP**

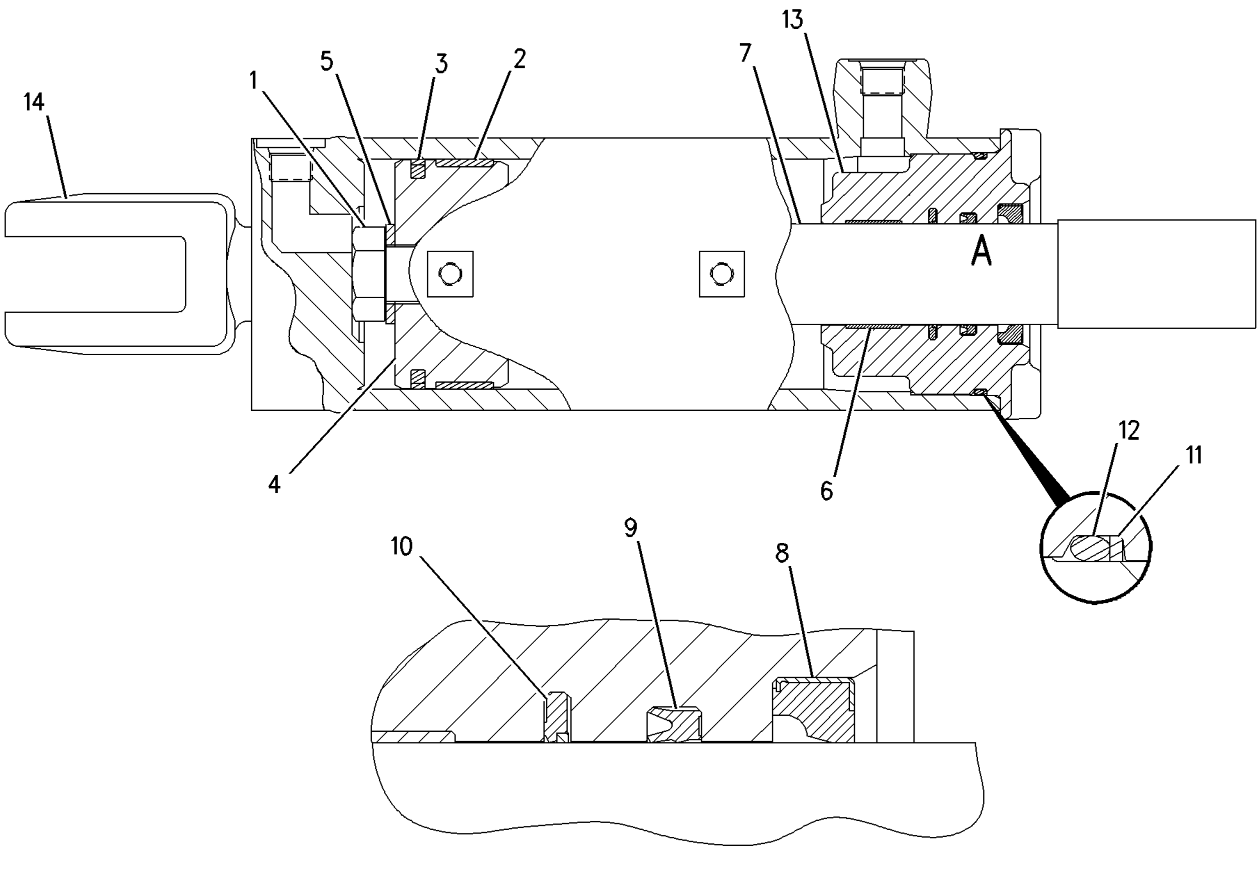
**101.6MM (4 IN.) BORE X 138.5MM (5.5 IN.) STROKE**

**PART OF 160-3616 PULLER AR-PIN**

**SMCS-5354** **i01464223**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| M | 1 | 1 | **173-9779** | 1 | BOLT-HEX HEAD (M24X3.0X80MM) | |
| | 2 | 1 | **6J-2797** | 1 | RING-WEAR | |
| | 3 | 1 | **5J-5402** | 1 | SEAL AS | |
| | 4 | 1 | **9T-3493** | 1 | PISTON | |
| | 5 | 1 | **6V-8237** | 1 | WASHER (26X44X4MM THK) | |
| | 6 | 1 | **4T-6907** | 1 | RING-WEAR | |
| | 7 | 1 | **6E-3980** | 1 | ROD AS | |
| | 8 | 1 | **167-2452** | 1 | SEAL-WIPER | |
| | 9 | 1 | **167-2300** | 1 | SEAL-U-CUP | |
| | 10 | 1 | **167-2190** | 1 | SEAL AS-BUFFER | |
| | 11 | 1 | **2K-6830** | 1 | RING-BACKUP | |
| | 12 | 1 | **175-7900** | 1 | SEAL-O-RING | |
| | 13 | 1 | **6E-4976** | 1 | HEAD | |
| | 14 | 1 | **6E-3976** | 1 | CYLINDER AS | |

M-METRIC PART




VIEW OF AREA A

GRAPHIC #1 g00719216

# MEMORANDA

# *155-3652* CYLINDER GP-RIPPER TILT—LH

**S/N: BHD1-UP**

**165.1 MM (6.5 IN.) BORE X 437 MM (17.2 IN.) STROKE**

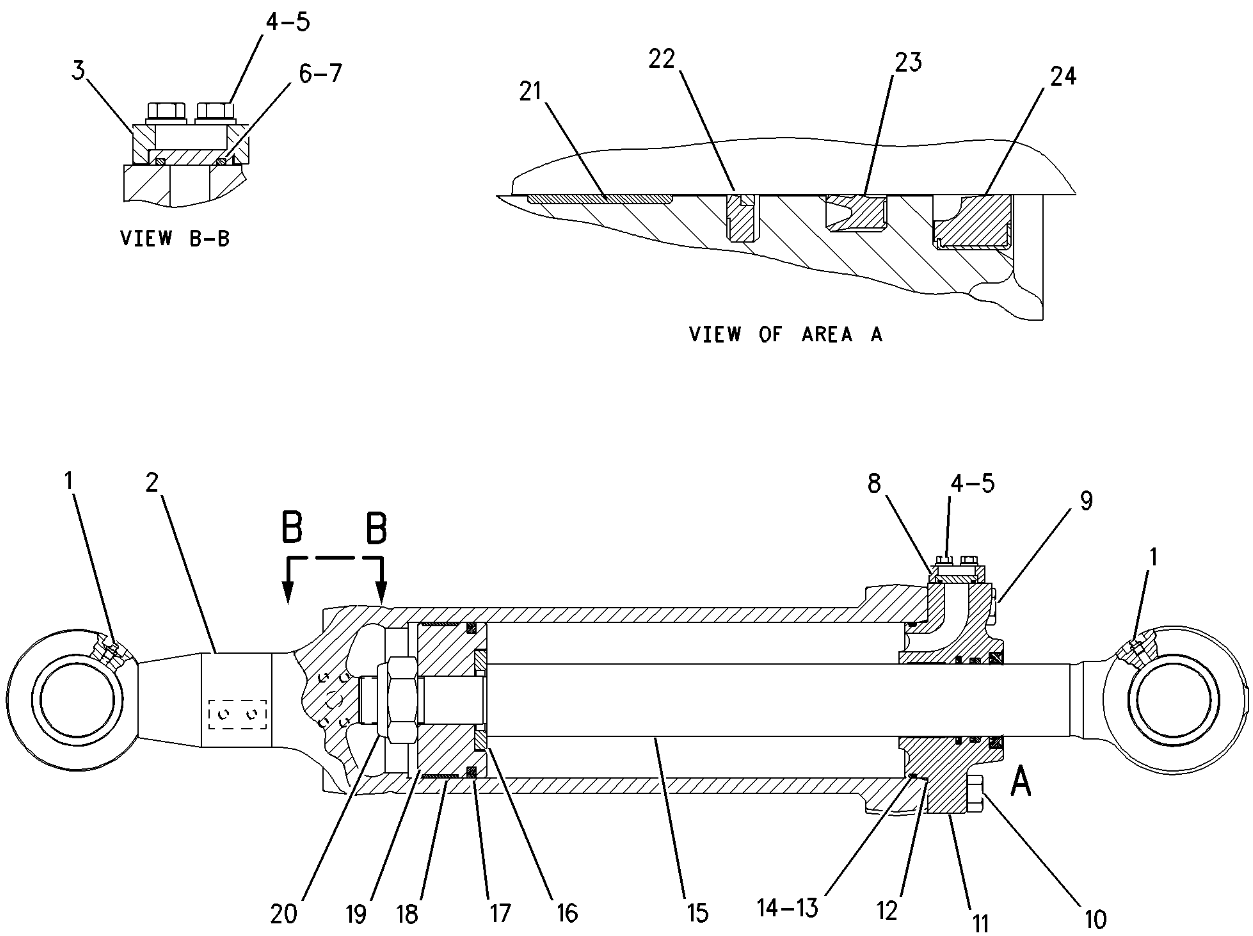
**PART OF 153-3130 RIPPER AR**

**SMCS-5356** **i01442898**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3B-8489** | 2 | FITTING-GREASE | |
| | 2 | 1 | **155-3857** | 1 | CYLINDER AS | |
| | | 1 | **3G-5999** | 1 | BEARING-SLEEVE | |
| | | 1 | **155-3860** | 1 | CAP | |
| | 3 | 1 | **1P-4576** | 2 | FLANGE | |
| | 4 | 1 | **8T-4121** | 8 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 5 | 1 | **8T-4196** | 8 | BOLT (M10X1.5X35MM) | |
| | 6 | 1 | **4J-5267** | 1 | SEAL-O-RING (24.99MM ID) | |
| | 7 | 1 | **5H-4018** | 1 | COVER | |
| | 8 | 1 | **1P-4577** | 2 | FLANGE-HALF | |
| M | 9 | 1 | **8T-0666** | 2 | BOLT (M24X3.0X90MM) | |
| M | 10 | 1 | **6V-8133** | 4 | BOLT (M24X3.0X80MM) | |
| | 11 | 1 | **155-3856** | 1 | HEAD | |
| | 12 | 1 | **8T-8379** | 1 | SEAL-HEAD | |
| | 13 | 1 | **158-3026** | 1 | RING-BACKUP | |
| | 14 | 1 | **7J-8956** | 1 | SEAL-O-RING (151.77MM ID) | |
| R | 15 | 1 | **9T-0098** | 1 | ROD AS | |
| | | 1 | **3G-5999** | 1 | BEARING-SLEEVE | |
| | 16 | 1 | **6J-9747** | 1 | WASHER | |
| | 17 | 1 | **5J-4991** | 1 | SEAL AS | |
| | 18 | 1 | **9T-0096** | 1 | RING-WEAR | |
| | 19 | 1 | **6J-9748** | 1 | PISTON | |
| | 20 | 1 | **2J-0564** | 1 | LOCKNUT | |
| | 21 | 1 | **8T-1714** | 1 | RING-WEAR | |
| | 22 | 1 | **167-2208** | 1 | SEAL AS-BUFFER | |
| | 23 | 1 | **167-2319** | 1 | SEAL-U-CUP | |
| | 24 | 1 | **167-2469** | 1 | SEAL-WIPER | |

M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

*155-3652* **CYLINDER GP-RIPPER TILT** ***(contd.)*** **i01442898**




GRAPHIC #1

g00730036

## *165-0102* CYLINDER GP-RIPPER TILT–RH

**S/N: BHD1-UP**

**165.1 MM (6.5 IN.) BORE X 437 MM (17.2 IN.) STROKE**

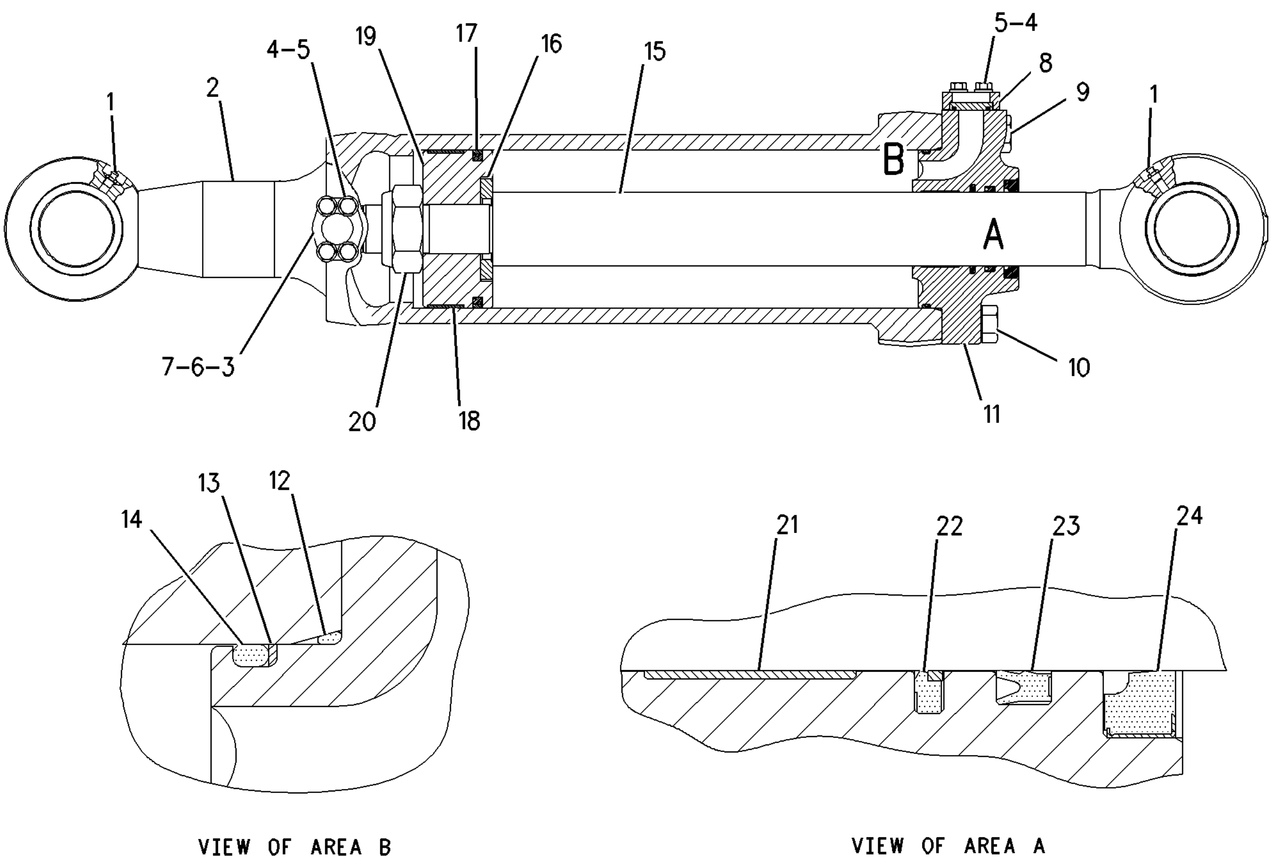
**PART OF 153-3130 RIPPER AR**

**SMCS-5356** **i01442934**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3B-8489** | 2 | FITTING-GREASE | |
| | | 1 | **4J-0520** | 2 | SEAL-O-RING (32.92MM ID) | |
| | 2 | 1 | **165-0101** | 1 | CYLINDER AS | |
| | | 1 | **3G-5999** | 1 | BEARING-SLEEVE | |
| | 3 | 1 | **1P-4576** | 2 | FLANGE | |
| | 4 | 1 | **8T-4121** | 8 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 5 | 1 | **8T-4196** | 8 | BOLT (M10X1.5X35MM) | |
| | 6 | 1 | **4J-5267** | 1 | SEAL-O-RING (24.99MM ID) | |
| | 7 | 1 | **5H-4018** | 1 | COVER | |
| | 8 | 1 | **1P-4577** | 2 | FLANGE-HALF | |
| M | 9 | 1 | **8T-0666** | 2 | BOLT (M24X3.0X90MM) | |
| M | 10 | 1 | **6V-8133** | 4 | BOLT (M24X3.0X80MM) | |
| | 11 | 1 | **155-3856** | 1 | HEAD | |
| | 12 | 1 | **8T-8379** | 1 | SEAL-HEAD | |
| | 13 | 1 | **158-3026** | 1 | RING-BACKUP | |
| | 14 | 1 | **7J-8956** | 1 | SEAL-O-RING (151.77MM ID) | |
| R | 15 | 1 | **9T-0098** | 1 | ROD AS | |
| | | 1 | **3G-5999** | 1 | BEARING-SLEEVE | |
| | 16 | 1 | **6J-9747** | 1 | WASHER | |
| | 17 | 1 | **5J-4991** | 1 | SEAL AS | |
| | 18 | 1 | **9T-0096** | 1 | RING-WEAR | |
| | 19 | 1 | **6J-9748** | 1 | PISTON | |
| | 20 | 1 | **2J-0564** | 1 | LOCKNUT | |
| | 21 | 1 | **8T-1714** | 1 | RING-WEAR | |
| | 22 | 1 | **167-2208** | 1 | SEAL AS-BUFFER | |
| | 23 | 1 | **167-2319** | 1 | SEAL-U-CUP | |
| | 24 | 1 | **167-2469** | 1 | SEAL-WIPER | |

M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

*165-0102* **CYLINDER GP-RIPPER TILT** ***(contd.)*** **i01442934**




GRAPHIC #1

g00751763

# *4Z-6311* CYLINDER GP-TILT

**S/N: AKA1-UP**

**184.15MM (7.25 IN)BORE X 195MM (7.7 IN)STROKE**

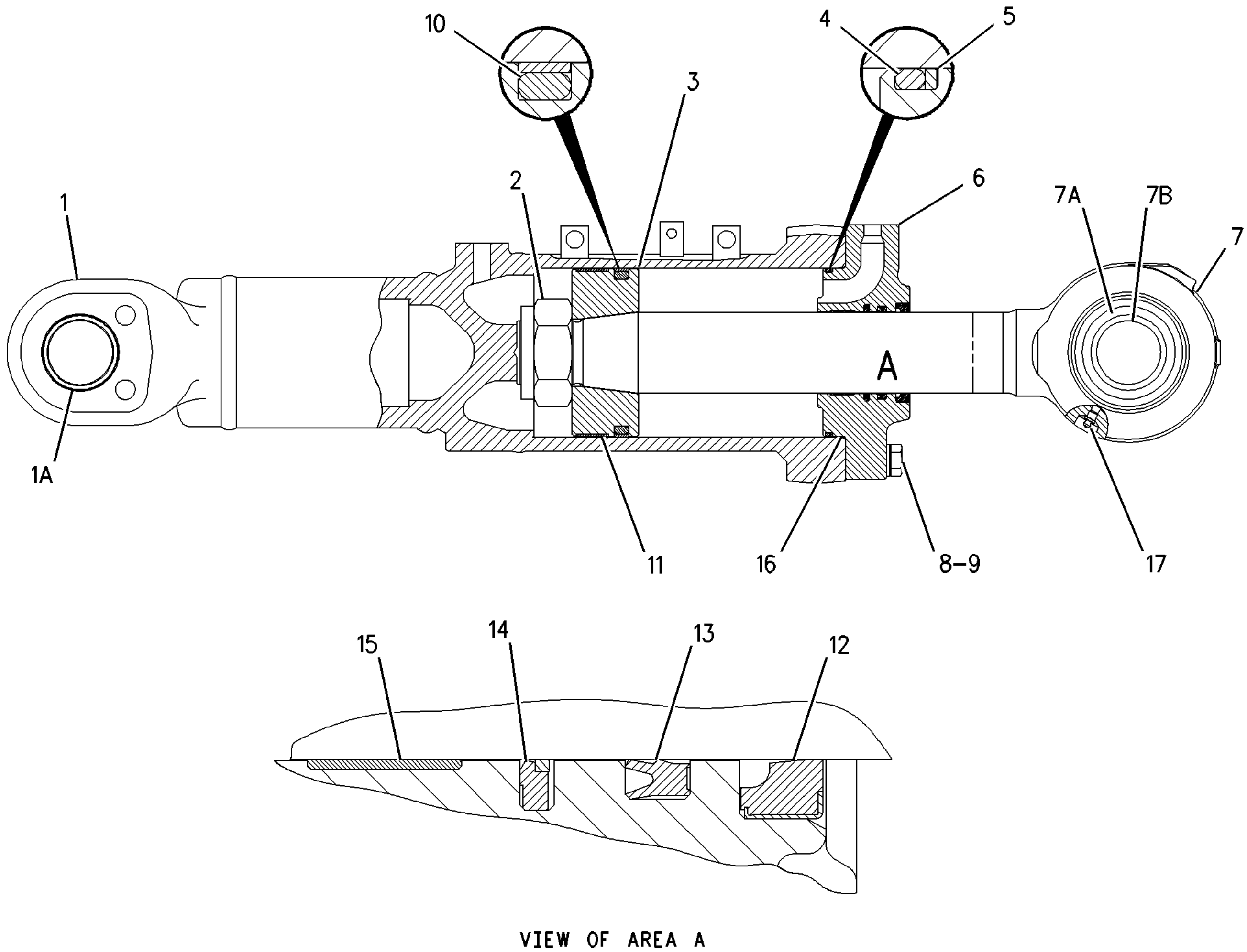
**PART OF 136-1687 CYLINDER & LINES GP-TILT**

**SMCS-5104** **i01488433**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| R | 1 | 1 | **6E-1176** | 1 | CYLINDER AS | |
| | 1A | 1 | **1U-2182** | 2 | BEARING-SLEEVE | |
| | 2 | 1 | **4J-6888** | 1 | LOCKNUT | |
| | 3 | 1 | **6E-1183** | 1 | PISTON | |
| | 4 | 1 | **5P-7593** | 1 | SEAL-O-RING | |
| | 5 | 1 | **1U-1738** | 1 | RING-BACKUP | |
| | 6 | 1 | **191-3583** | 1 | HEAD | |
| R | 7 | 1 | **6E-1901** | 1 | ROD AS | |
| | 7A | 1 | **5J-9454** | 1 | RING-RETAINING | |
| | 7B | 1 | **7J-3297** | 1 | BEARING | |
| M | 8 | 1 | **6V-3669** | 8 | BOLT (M20X2.5X80MM) | |
| | 9 | 1 | **8T-3282** | 8 | WASHER-HARD (22X35X3.5MM THK) | |
| | 10 | 1 | **8T-1790** | 1 | SEAL AS | |
| | 11 | 1 | **1J-2674** | 1 | RING-WEAR | |
| | 12 | 1 | **167-2474** | 1 | SEAL-WIPER | |
| | 13 | 1 | **9X-7405** | 1 | SEAL-U-CUP | |
| | 14 | 1 | **167-2211** | 1 | SEAL AS-BUFFER | |
| | 15 | 1 | **8C-5245** | 1 | RING-WEAR | |
| | 16 | 1 | **8T-8381** | 1 | SEAL-HEAD (180.46MM ID) | |
| | 17 | 1 | **3B-8489** | 1 | FITTING-GREASE | |

M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

*4Z-6311* **CYLINDER GP-TILT** ***(contd.)*** **i01488433**




GRAPHIC #1

g00754443

# 6E-0397 CYLINDER GP-TILT

**S/N: AKA1-UP**

**PART OF 8E-3039 CYLINDER AR-TILT**

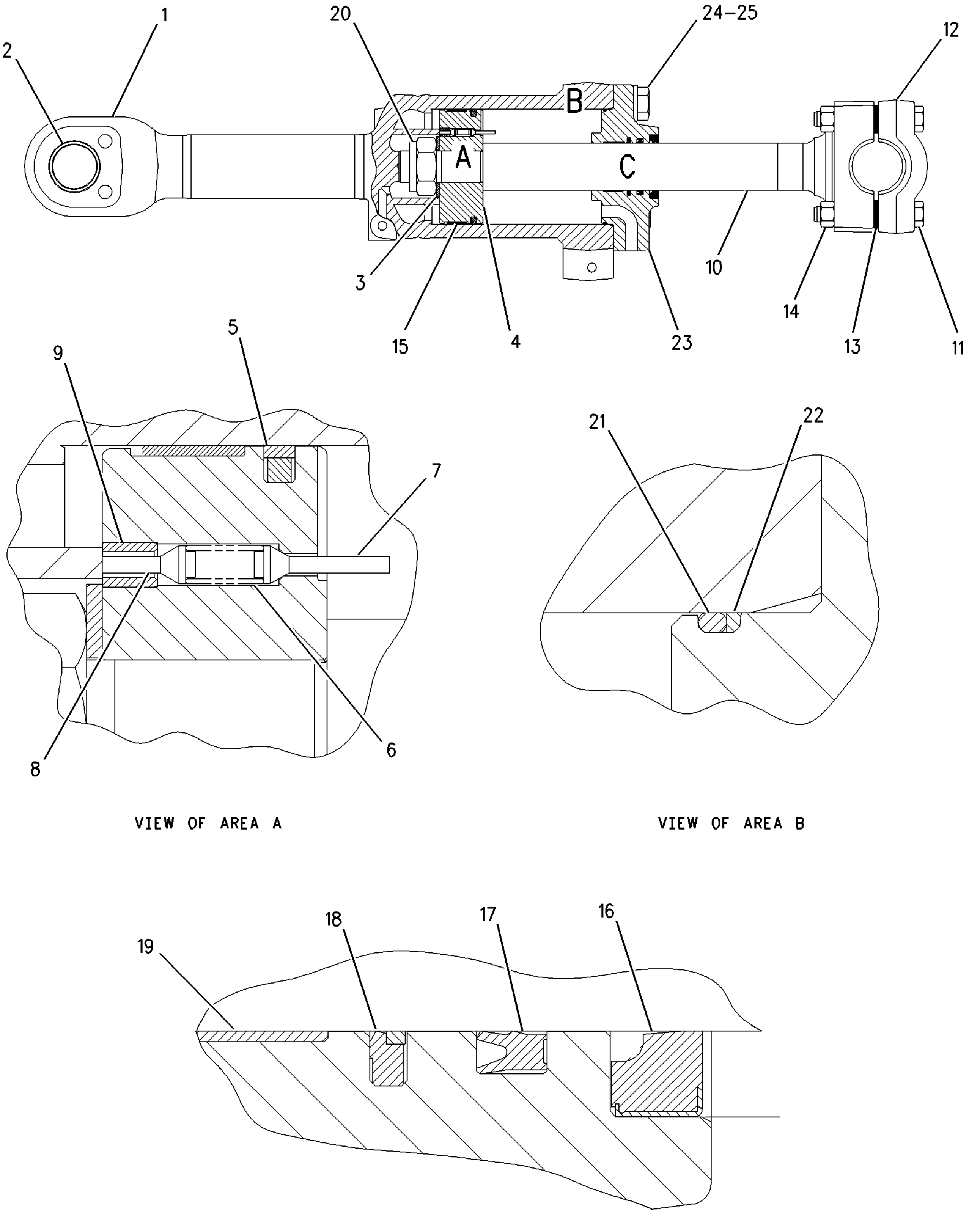
**SMCS-5104** **i01488347**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| R | 1 | 1 | **6E-0398** | 1 | CYLINDER AS | |
| | 2 | 1 | **1U-2182** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **9T-5900** | 1 | WASHER | |
| | 4 | 1 | **132-5180** | 1 | PISTON AS | |
| J | 5 | 1 | **5J-4993** | 1 | SEAL AS | |
| | 6 | 1 | **8H-3532** | 1 | SPRING-VALVE | |
| | 7 | 1 | **9T-4977** | 1 | PLUNGER | |
| | 8 | 1 | **132-5183** | 1 | PLUNGER | |
| | 9 | 1 | **132-5182** | 1 | INSERT | |
| R | 10 | 1 | **106-3881** | 1 | ROD AS | |
| M | 11 | 1 | **8T-0672** | 4 | BOLT (M24X3.0X160MM) | |
| | 12 | 1 | **160-6309** | 1 | CAP-BEARING | |
| B | 13 | 1 | **8J-9180** | 28 | SHIM (.51MM THK) | |
| M | 14 | 1 | **7X-0851** | 4 | NUT (M24X3.00 THD) | |
| J | 15 | 1 | **1J-2674** | 1 | RING-WEAR | |
| J | 16 | 1 | **167-2469** | 1 | SEAL-WIPER | |
| J | 17 | 1 | **167-2319** | 1 | SEAL-U-CUP | |
| J | 18 | 1 | **167-2208** | 1 | SEAL AS-BUFFER | |
| J | 19 | 1 | **9T-0094** | 1 | RING-WEAR | |
| | 20 | 1 | **2J-0564** | 1 | LOCKNUT | |
| J | 21 | 1 | **2K-2939** | 1 | SEAL-O-RING | |
| J | 22 | 1 | **2K-2940** | 1 | RING-BACKUP | |
| | 23 | 1 | **6E-0402** | 1 | HEAD | |
| M | 24 | 1 | **8C-3222** | 4 | BOLT (M30X3.5X80MM) | |
| | 25 | 1 | **3S-7023** | 4 | WASHER (34X57X6MM THK) | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **132-6127** | 1 | KIT-HYDRAULIC CYLINDER SEAL | |

B-USE AS REQUIRED
J-KIT MARKED J INCLUDES PARTS MARKED J
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

## 6E-0397 CYLINDER GP-TILT *(contd.)*

i01488347




GRAPHIC #1

g00731214

# HYDRAULIC SYSTEM

## 6E-1175 CYLINDER GP-TILT

**S/N: CXB1-UP; CXL1-UP; BHW1-UP**

**184.15 MM (7.25 IN) BORE X 195 MM (7.7 IN) STROKE**

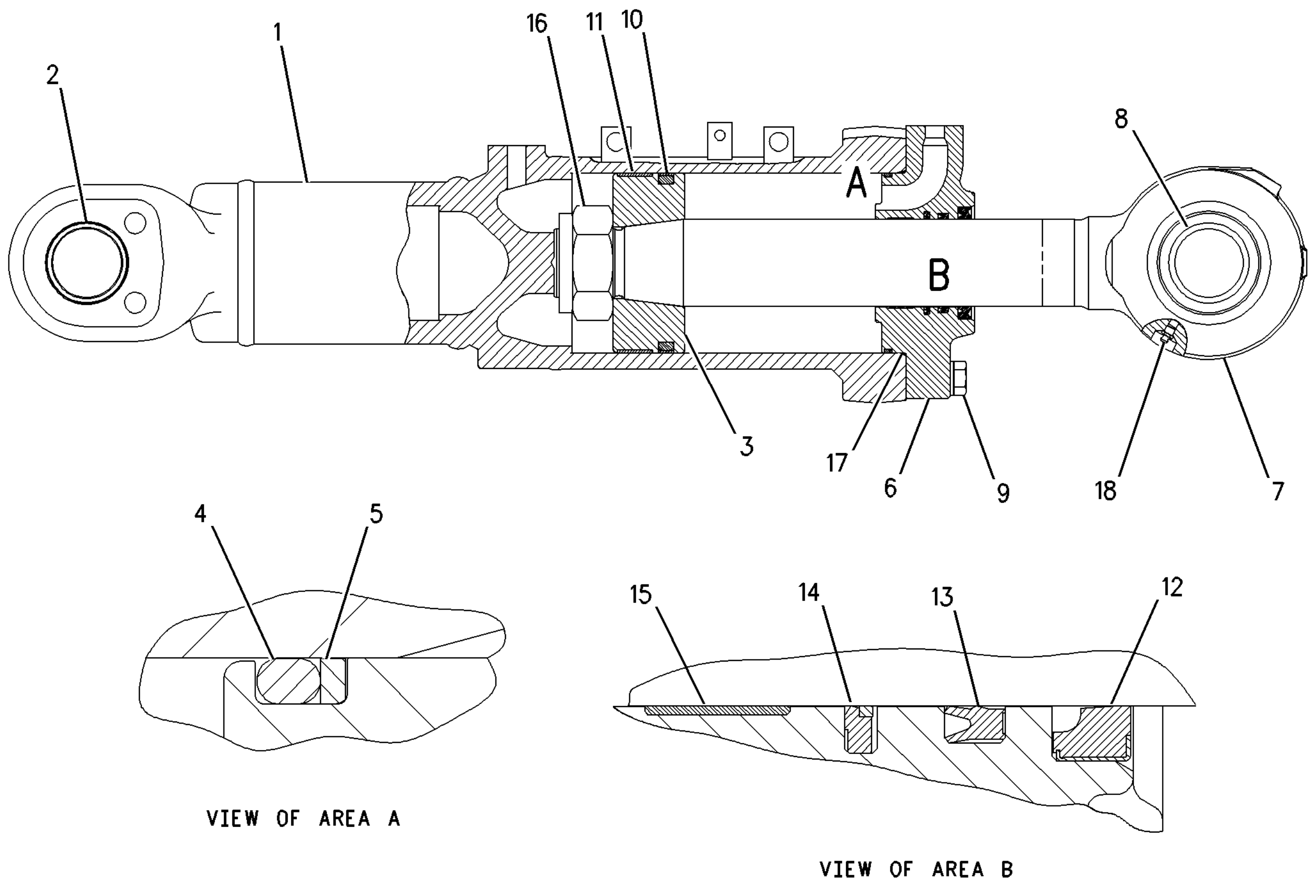
**PART OF 118-3173 PUSH ARM GP-STABILIZER**

**SMCS-5104** **i01441632**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| R | 1 | 1 | **6E-1176** | 1 | CYLINDER AS | |
| | 2 | 1 | **1U-2182** | 2 | BEARING-SLEEVE | |
| | 3 | 1 | **6E-1183** | 1 | PISTON | |
| C | 4 | 1 | **5P-7593** | 1 | SEAL-O-RING (170.82MM ID) | |
| C | 5 | 1 | **158-3027** | 1 | RING-BACKUP | |
| C | 6 | 1 | **191-3583** | 1 | HEAD | |
| R | 7 | 1 | **6E-1901** | 1 | ROD AS | |
| | | 1 | **5J-9454** | 1 | RING-RETAINING | |
| | 8 | 1 | **6V-3340** | 1 | BEARING-SPHERICAL | |
| M | 9 | 1 | **6V-3669** | 8 | BOLT (M20X2.5X80MM) | |
| | | 1 | **8T-3282** | 8 | WASHER-HARD (22X35X3.5MM THK) | |
| | 10 | 1 | **8T-1790** | 1 | SEAL AS | |
| | 11 | 1 | **1J-2674** | 1 | RING-WEAR | |
| C | 12 | 1 | **167-2474** | 1 | SEAL-WIPER | |
| C | 13 | 1 | **167-2324** | 1 | SEAL-U-CUP | |
| C | 14 | 1 | **167-2211** | 1 | SEAL AS-BUFFER | |
| | 15 | 1 | **8C-5245** | 1 | RING-WEAR | |
| | 16 | 1 | **4J-6888** | 1 | LOCKNUT | |
| | 17 | 1 | **8T-8381** | 1 | SEAL-HEAD (180.46MM ID) | |
| C | 18 | 1 | **3B-8489** | 1 | FITTING-GREASE | |

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
R-REMFG PART MAY BE AVAILABLE

## 6E-1175 CYLINDER GP-TILT *(contd.)* i01441632




GRAPHIC #1 g00728717

# HYDRAULIC SYSTEM

## *157-0821* HYDRAULIC AR

**S/N: AKA1-UP**

**PART OF 157-0818 GENERAL AR**

**SMCS-5051, 5056, 5057, 5073** **i01429670**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **157-0823** | 1 | HYDRAULIC AR | 585 |
| Y | **157-0822** | 1 | STEERING AR-HYDRAULIC | 538 |

Y-SEPARATE ILLUSTRATION

# *157-0823* HYDRAULIC AR

**S/N: AKA1-UP**

**DOZER**

**PART OF 157-0821 HYDRAULIC AR**

**SMCS-5051, 5056, 5057, 5073** **i01438304**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *157-0824* | 1 | CONTROL AR-PILOT HYDRAULIC | 552 |
| Y | *157-7324* | 1 | LINES GP-BULLDOZER MANIFOLD | 586 |
| Y | *157-7325* | 1 | LINES GP-PUMP | 606 |
| Y | *157-7326* | 1 | LINES GP-TILT CYLINDER | 614 |
| Y | *157-7327* | 1 | MOUNTING GP-VALVE | 622 |
| YR | **9T-8346** | 1 | PUMP GP-PISTON | 624 |
| Y | *164-3700* | 1 | TANK & FILTER GP-HYDRAULIC | 630 |
| | | | | |
| | **152-1482** | 1 | FILM-IDENTIFICATION (DOZER) | |
| | | | INSTALL ON RAISED SURFACE TO THE RIGHT OF CONTROL | |
| | **102-2913** | 1 | FILM-INSTRUCTION (DOZER CONTROL) (HYD CONTROL) | |
| | | | INSTALL NEXT TO KNOB | |

R-REMFG PART MAY BE AVAILABLE
Y-SEPARATE ILLUSTRATION

# *157-7324* LINES GP-BULLDOZER MANIFOLD

S/N: AKA1-UP

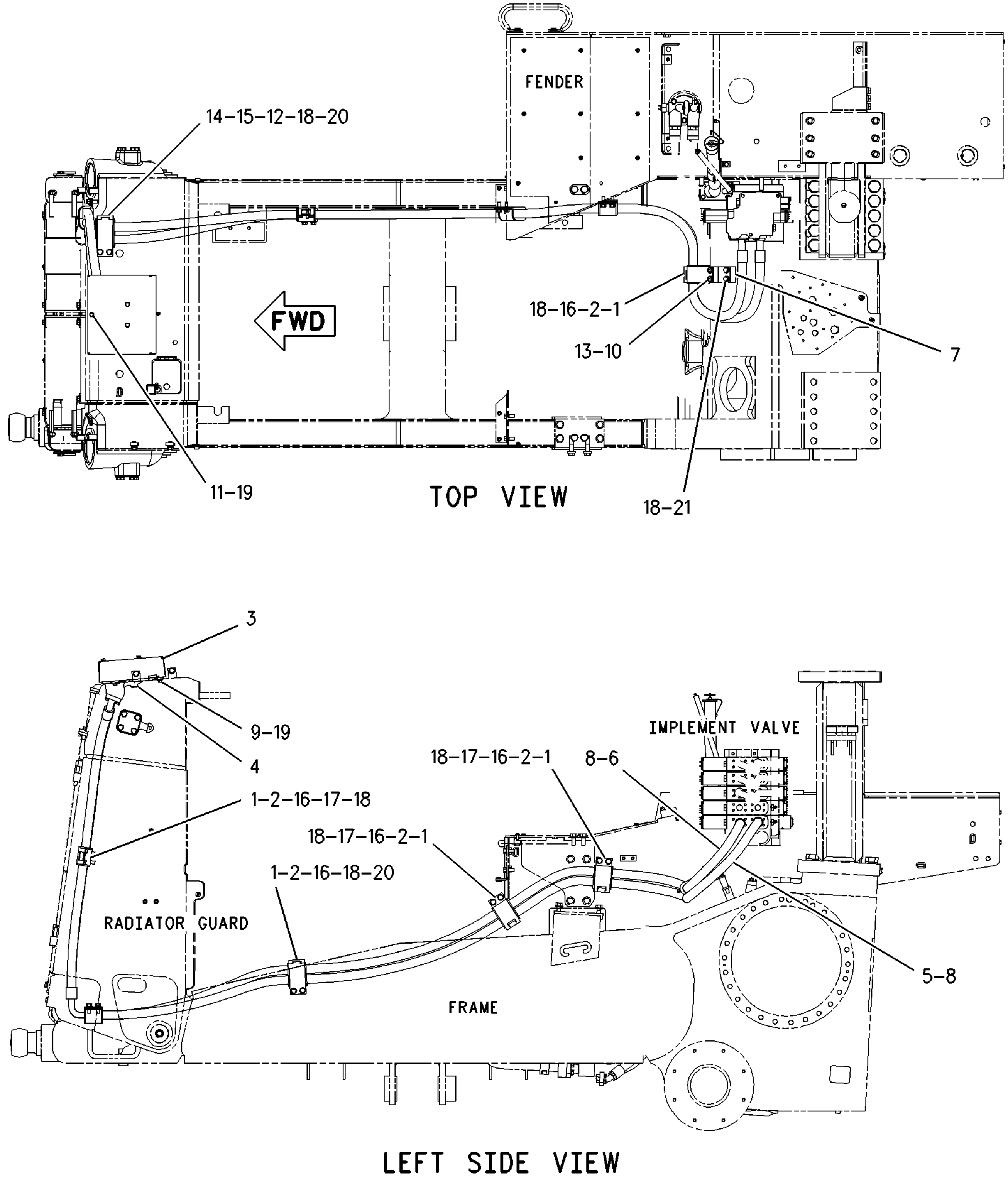
PART OF 157-0823 HYDRAULIC AR

SMCS-5057 i01497392

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7G-5984** | 5 | CLIP (TAB) | |
| | 2 | 1 | **7G-5985** | 5 | CLIP (SLOT) | |
| | 3 | 1 | **8E-8434** | 1 | GUARD | |
| Y | 4 | 1 | **109-6942** | 1 | VALVE GP-QUICK-DROP | 664 |
| I | 5 | 1 | **160-1124** | 1 | HOSE AS | |
| I | 6 | 1 | **160-1125** | 1 | HOSE AS | |
| | 7 | 1 | **200-1754** | 1 | BRACKET AS | |
| | 8 | 1 | **4J-0520** | 4 | SEAL-O-RING | |
| | 9 | 1 | **4L-9337** | 3 | BOLT (3/8-16X1.5 IN) | |
| | 10 | 1 | **5M-1932** | 2 | STUD-TAPERLOCK | |
| | 11 | 1 | **5P-8167** | 3 | BOLT (3/8-16X0.625 IN) | |
| | 12 | 1 | **6V-1324** | 1 | GROMMET | |
| | 13 | 1 | **6V-8188** | 2 | NUT (1/2-13 THD) | |
| | 14 | 1 | **7G-3413** | 1 | CLIP (SLOT) | |
| | 15 | 1 | **7G-3414** | 1 | CLIP (TAB) | |
| | 16 | 1 | **7G-5986** | 5 | GROMMET | |
| | 17 | 1 | **8C-4436** | 6 | BOLT (1/2-13X1.375 IN) | |
| | 18 | 1 | **8T-4223** | 14 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 19 | 1 | **8T-4896** | 6 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 20 | 1 | **8T-8917** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 21 | 1 | **8T-8920** | 2 | BOLT (1/2-13X3.25 IN) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

*157-7324* **LINES GP-BULLDOZER MANIFOLD** *(contd.)* **i01497392**




GRAPHIC #1 g00777459

# *157-7329* LINES GP-PILOT

**S/N: AKA1-UP**

**PART OF 157-0824 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5057** **i01439557**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Z-9787** | 1 | BOSS | |
| | 2 | 2 | **6V-9829** | 2 | CAP AS | |
| | 3 | 2 | **7K-1181** | 4 | STRAP-CABLE | |
| | 4 | 1 | **107-1341** | 1 | ADAPTER | |
| M | 5 | 2 | **112-9319** | 1 | BOLT-HEX SOCKET (M5X0.8X80MM) | |
| | 6 | 2 | **126-0814** | 1 | NIPPLE AS | |
| | | 2 | **6V-0852** | 1 | CAP-DUST | |
| | 7 | 2 | **159-9202** | 1 | SEAL | |
| I | 8 | 1 | **160-4301** | 1 | HOSE AS | |
| I | 9 | 1 | **160-4302** | 1 | HOSE AS | |
| I | 10 | 1 | **160-4303** | 1 | HOSE AS | |
| I | 11 | 1 | **160-4304** | 1 | HOSE AS | |
| I | 12 | 1 | **160-4306** | 1 | HOSE AS | |
| | 13 | 2 | **160-4326** | 1 | KNOB AS (IMPLEMENT LOCKOUT) | |
| Y | 14 | 1 | **162-0162** | 1 | VALVE GP-MANIFOLD & REDUCING | 650 |
| I | 15 | 2 | **163-3433** | 1 | HOSE AS | |
| | 16 | 1 | **170-7568** | 1 | BRACKET AS | |
| | | 1 | **9F-6445** | 2 | NUT-WELD (1/4-20 THD) | |
| | 17 | 1 | **200-0750** | 1 | ACCUMULATOR GP-PILOT OIL | |
| I | 18 | 1 | **171-3013** | 1 | HOSE AS | |
| I | 19 | 1 | **171-3014** | 1 | HOSE AS | |
| | 20 | 2 | **171-8787** | 1 | CAM | |
| I | 21 | 1 | **174-3038** | 1 | HOSE AS | |
| | 22 | 2 | **189-0135** | 1 | SWITCH AS-LIMIT (IMPLEMENT LOCKOUT) | |
| | | 2 | **186-3735** | 3 | PIN-CONNECTOR | |
| | | 2 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 2 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 23 | 2 | **191-3587** | 1 | SWITCH AS (IMPLEMENT LOCKOUT) | |
| | | 2 | **9G-3695** | 1 | PLUG (GROMMET SEALING) | |
| | | 2 | **186-3735** | 3 | PIN-CONNECTOR | |
| | | 2 | **3E-3377** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 2 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| I | 24 | 1 | **191-5101** | 1 | HOSE AS | |
| | 25 | 2 | **194-7008** | 1 | VALVE GP-BALL (IMPLEMENT SHUTOFF) | |
| | 26 | 2 | **195-3312** | 1 | HARNESS AS (LOCKOUT INDICATOR) (LOCKOUT INDICATOR) | |
| | | 2 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | 2 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 2 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 2 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 27 | 2 | **196-1921** | 1 | PLATE | |
| I | 28 | 1 | **196-7757** | 1 | HOSE AS | |
| I | 29 | 1 | **197-5932** | 1 | HOSE AS | |
| | 30 | 2 | **096-5962** | 4 | WASHER-HARD (3.4X7X0.8MM THK) | |
| | 31 | 1 | **122-0450** | 1 | GROMMET | |
| | 32 | 1 | *148-8316* | 1 | CONNECTOR GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8647** | 1 | CONNECTOR | |

## *157-7329* LINES GP-PILOT *(contd.)* i01439557

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 33 | 2 | *148-8325* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 2 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8641** | 1 | CONNECTOR | |
| | 34 | 2 | *148-8326* | 1 | CONNECTOR GP | |
| | | 2 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9872** | 1 | CONNECTOR | |
| | 35 | 1 | *148-8340* | 1 | CONNECTOR GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8639** | 1 | CONNECTOR | |
| | 36 | 1 | *148-8346* | 1 | ELBOW GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **8T-1686** | 1 | ELBOW | |
| | 37 | 2 | *148-8367* | 1 | ELBOW GP | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9850** | 1 | ELBOW-SWIVEL | |
| | 38 | 2 | *148-8369* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 2 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8628** | 1 | ELBOW | |
| | 39 | 1 | *148-8370* | 1 | ELBOW GP | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9851** | 1 | ELBOW-90 DEGREE SWIVEL | |
| | 40 | 1 | *148-8374* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8723** | 1 | ELBOW | |
| | 41 | 1,2 | *148-8378* | 6 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1,2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8724** | 1 | ELBOW | |
| | 42 | 1 | *148-8415* | 1 | REDUCER GP | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8936** | 1 | REDUCER | |
| | 43 | 1 | *148-8426* | 1 | TEE GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **8T-6696** | 1 | TEE-O-RING | |
| | 44 | 1 | *148-8428* | 1 | TEE GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8782** | 1 | TEE-FACE SEAL | |
| | 45 | 2 | *148-8433* | 1 | TEE GP | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-9836** | 1 | TEE-SWIVEL | |
| | 46 | 2 | *148-8435* | 1 | TEE GP | |
| | | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-8781** | 1 | TEE-FACE SEAL | |
| | 47 | 2 | *148-8439* | 1 | TEE GP | |
| | | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |

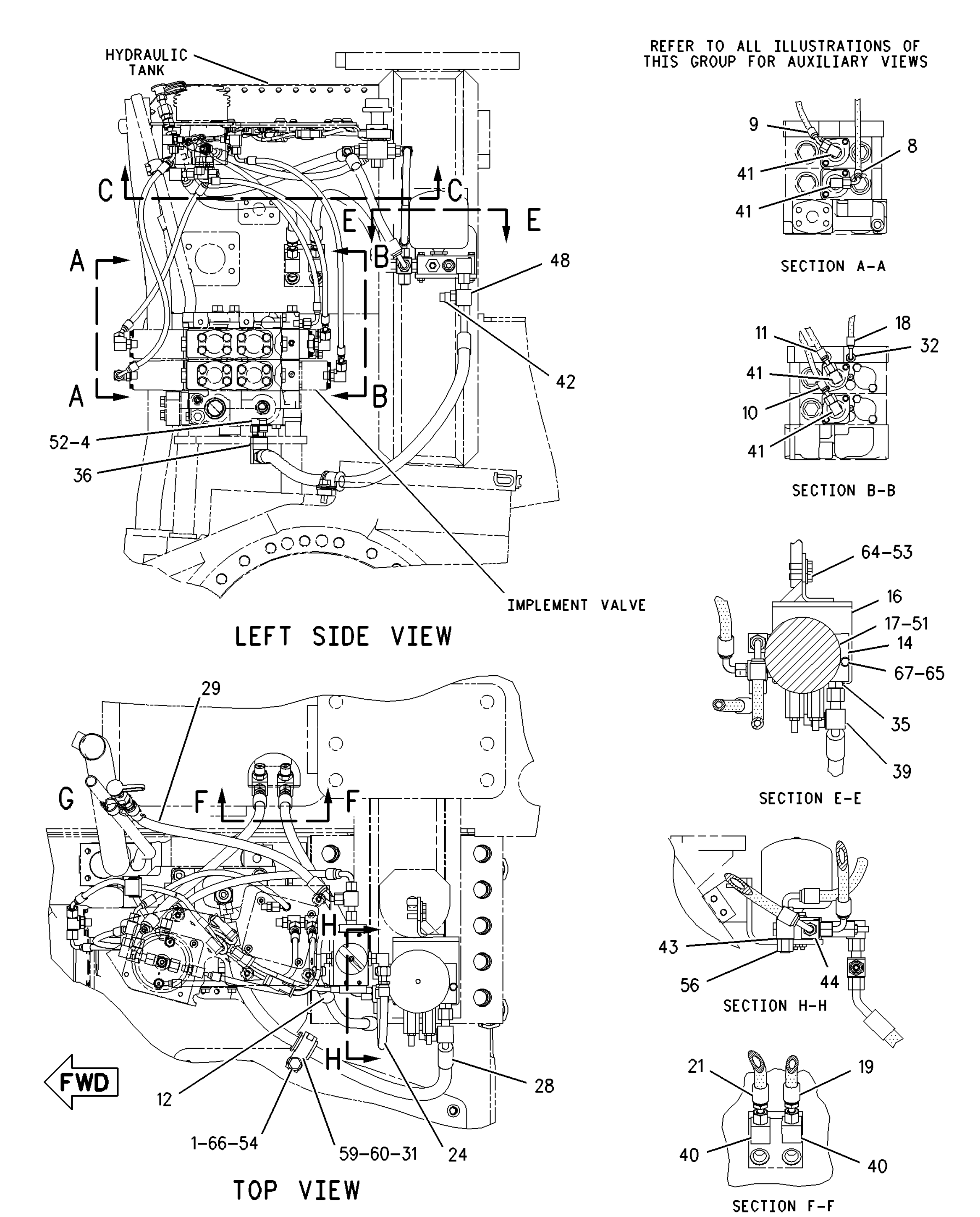
# HYDRAULIC SYSTEM

## *157-7329* **LINES GP-PILOT** *(contd.)* **i01439557**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 2 | **6V-8774** | 1 | TEE | |
| | 48 | 1 | *148-8444* | 1 | TEE AS-ORFS | |
| | | 1 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9837** | 1 | TEE-SWIVEL | |
| | 49 | 2 | *150-5968* | 1 | TEE GP | |
| | | 2 | **4J-5477** | 2 | SEAL-O-RING | |
| | | 2 | **6V-9835** | 1 | TEE | |
| | 50 | 2 | *164-5570* | 1 | UNION GP | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-8730** | 1 | UNION-FACE SEAL | |
| | 51 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 52 | 1 | **4K-1388** | 1 | SEAL-O-RING | |
| | 53 | 1,2 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 54 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 55 | 2 | **6V-8801** | 1 | NUT (3/8-16 THD) | |
| | 56 | 1 | **6V-9830** | 1 | CAP AS | |
| | 57 | 2 | **7S-3912** | 1 | CLIP (TAB) | |
| | 58 | 2 | **7S-3913** | 1 | CLIP (SLOT) | |
| | 59 | 1 | **8S-0023** | 1 | CLIP (SLOT) | |
| | 60 | 1 | **8S-0024** | 1 | CLIP (TAB) | |
| M | 61 | 2 | **8T-0287** | 4 | BOLT (M5X0.8X10MM) | |
| | 62 | 2 | **8T-1893** | 1 | CLIP (SLOT) | |
| | 63 | 2 | **8T-1894** | 1 | CLIP (TAB) | |
| | 64 | 1 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 65 | 1 | **8T-4205** | 2 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 66 | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 67 | 1 | **8T-9368** | 2 | BOLT (1/4-20X2.25 IN) | |
| | 68 | 2 | **9B-7237** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 69 | 2 | **9X-6281** | 4 | SCREW-MACHINE (4-40X1 IN) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

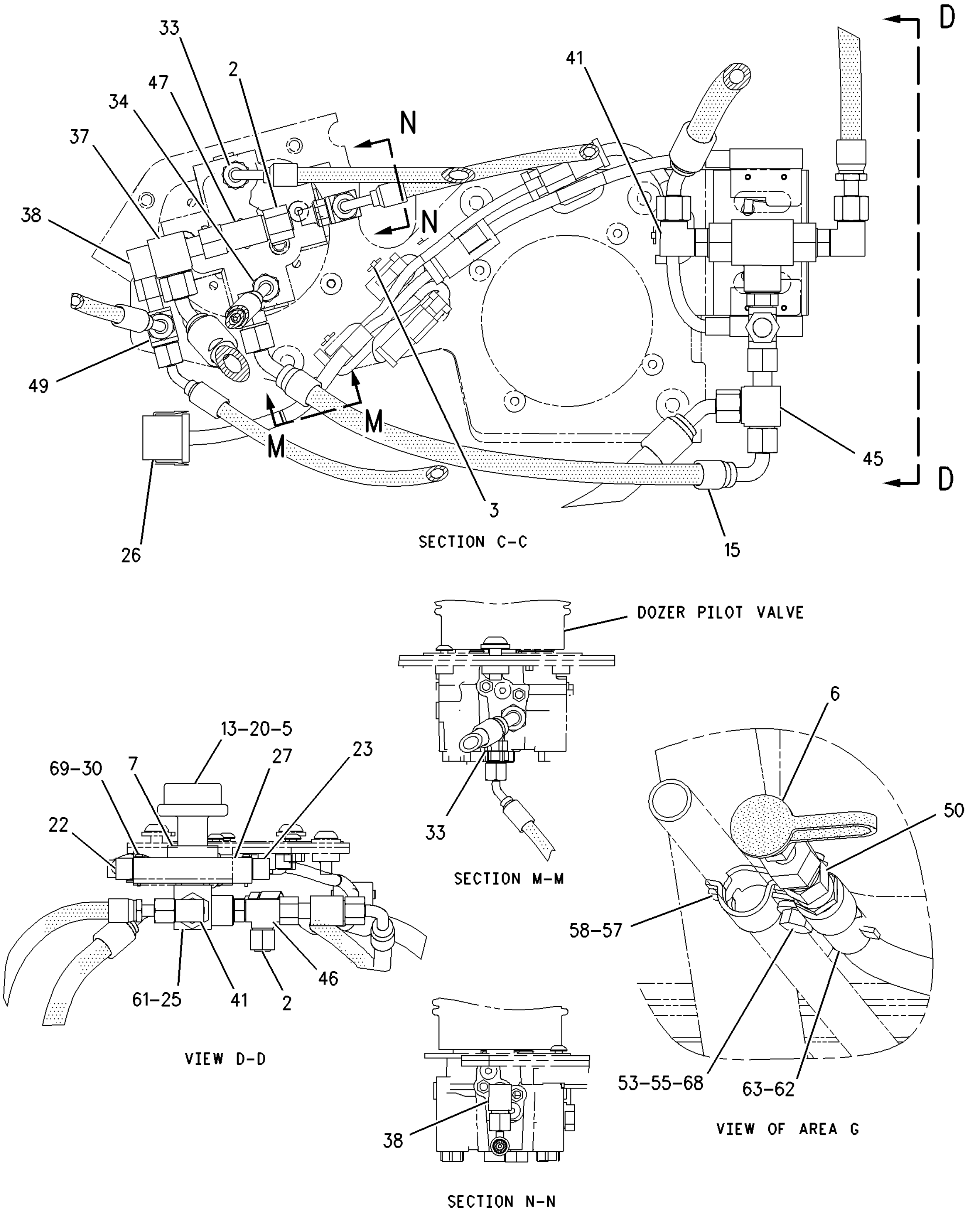
## *157-7329* **LINES GP-PILOT** *(contd.)* **i01439557**




GRAPHIC #1

g00759379

*157-7329* **LINES GP-PILOT** ***(contd.)*** **i01439557**




GRAPHIC #2 g00762826

# MEMORANDA

## *157-8029* LINES GP-PILOT

**S/N: AKA1-UP**

**DOZER & RIPPER**

**PART OF 157-7331 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5057** **i01452658**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Z-9787** | 1 | BOSS | |
| | 2 | 1 | **7K-1181** | 4 | STRAP-CABLE | |
| | 3 | 1 | **107-1341** | 1 | ADAPTER | |
| M | 4 | 2 | **112-9319** | 1 | BOLT-HEX SOCKET (M5X0.8X80MM) | |
| | 5 | 1 | **126-0814** | 1 | NIPPLE AS | |
| | 5A | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 6 | 2 | **159-9202** | 1 | SEAL | |
| I | 7 | 1 | **160-4301** | 1 | HOSE AS | |
| I | 8 | 1 | **160-4302** | 1 | HOSE AS | |
| I | 9 | 1 | **160-4303** | 1 | HOSE AS | |
| I | 10 | 1 | **160-4304** | 1 | HOSE AS | |
| I | 11 | 1 | **160-4306** | 1 | HOSE AS | |
| | 12 | 2 | **160-4326** | 1 | KNOB AS (IMPLEMENT LOCKOUT) | |
| I | 13 | 1 | **160-4792** | 1 | HOSE AS | |
| I | 14 | 1 | **160-4793** | 1 | HOSE AS | |
| I | 15 | 1 | **160-4794** | 1 | HOSE AS | |
| I | 16 | 1 | **160-4795** | 1 | HOSE AS | |
| Y | 17 | 1 | **162-0162** | 1 | VALVE GP-MANIFOLD & REDUCING | 650 |
| I | 18 | 2 | **163-3433** | 1 | HOSE AS | |
| | 19 | 2 | **163-3434** | 1 | TUBE AS | |
| | 20 | 1 | **163-3435** | 1 | TUBE AS | |
| | 21 | 2 | **170-7568** | 1 | BRACKET AS | |
| | | 2 | **9F-6445** | 2 | NUT-WELD (1/4-20 THD) | |
| I | 22 | 2 | **171-3014** | 1 | HOSE AS | |
| | 23 | 2 | **171-8787** | 1 | CAM | |
| I | 24 | 1 | **172-5404** | 1 | HOSE AS | |
| I | 25 | 2 | **174-3038** | 1 | HOSE AS | |
| | 26 | 2 | **189-0135** | 1 | SWITCH AS-LIMIT (IMPLEMENT LOCKOUT) | |
| | | 2 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 2 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **186-3735** | 3 | PIN-CONNECTOR | |
| | 27 | 2 | **191-3587** | 1 | SWITCH AS (IMPLEMENT LOCKOUT) | |
| | | 2 | **9G-3695** | 1 | PLUG (GROMMET SEALING) | |
| | | 2 | **3E-3377** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 2 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **186-3735** | 3 | PIN-CONNECTOR | |
| I | 28 | 1 | **191-5101** | 1 | HOSE AS | |
| | 29 | 2 | **194-7008** | 1 | VALVE GP-BALL (IMPLEMENT SHUTOFF) | |
| | 30 | 1 | **195-3312** | 1 | HARNESS AS (LOCKOUT INDICATOR) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 31 | 2 | **196-1921** | 1 | PLATE | |
| I | 32 | 1 | **196-7757** | 1 | HOSE AS | |
| I | 33 | 1 | **197-5932** | 1 | HOSE AS | |
| | 34 | 2 | **200-0750** | 1 | ACCUMULATOR GP-PILOT OIL | |
| | 35 | 1 | **033-8248** | 2 | CLIP | |
| | 36 | 2 | **096-5962** | 4 | WASHER-HARD (3.4X7X0.8MM THK) | |

## *157-8029* **LINES GP-PILOT** *(contd.)* **i01452658**

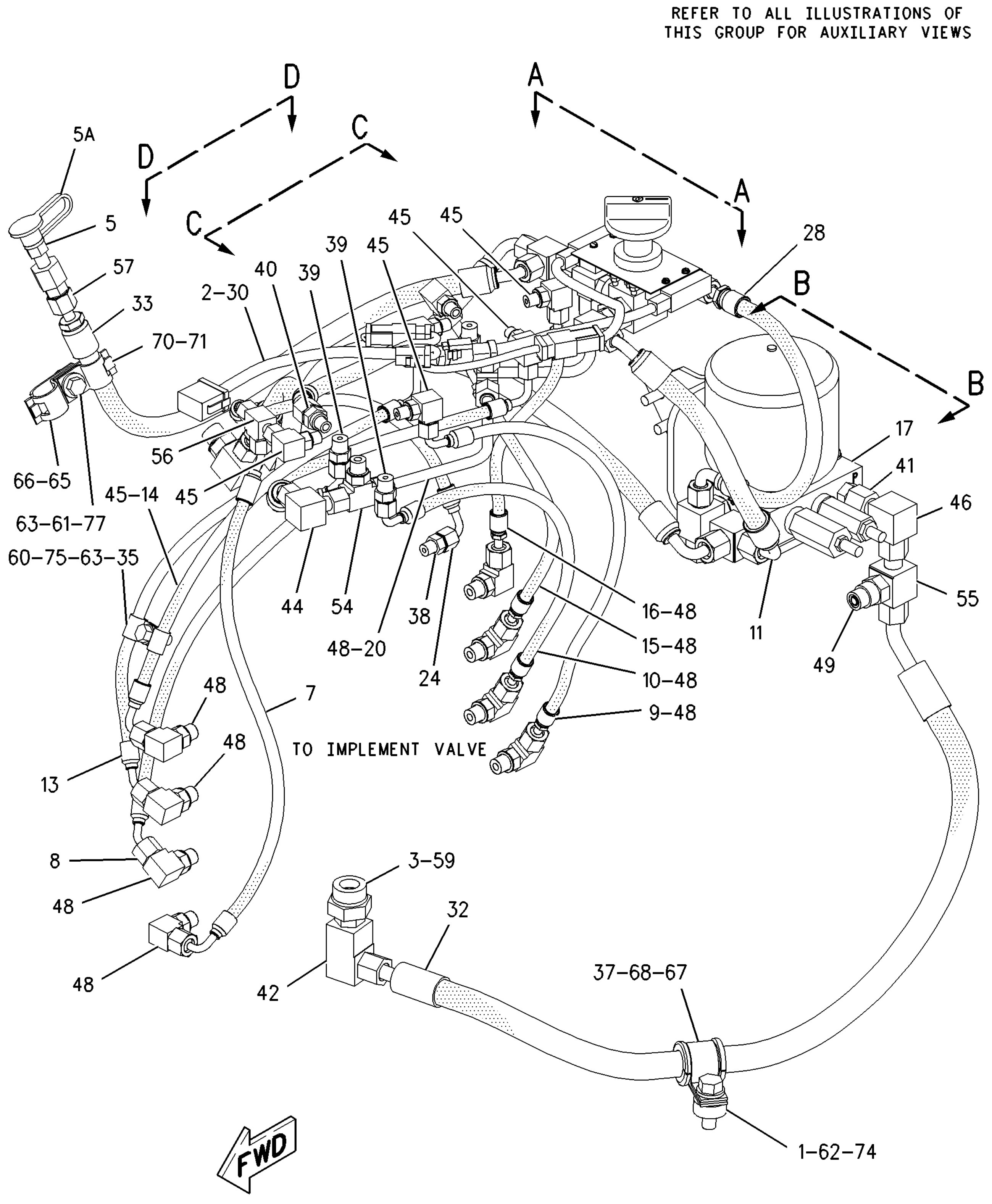
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 37 | 1 | **122-0450** | 1 | GROMMET | |
| | 38 | 1 | *148-8316* | 1 | CONNECTOR GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8647** | 1 | CONNECTOR | |
| | 39 | 1,2 | *148-8325* | 3 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1,2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1,2 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8641** | 1 | CONNECTOR | |
| | 40 | 1 | *148-8326* | 1 | CONNECTOR GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9872** | 1 | CONNECTOR | |
| | 41 | 1 | *148-8340* | 1 | CONNECTOR GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8639** | 1 | CONNECTOR | |
| | 42 | 1 | *148-8346* | 1 | ELBOW GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **8T-1686** | 1 | ELBOW | |
| | 43 | 2 | *148-8361* | 1 | ELBOW GP | |
| | | 2 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-9200** | 1 | ELBOW (90 DEGREE) | |
| | 44 | 1 | *148-8367* | 1 | ELBOW GP | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9850** | 1 | ELBOW-SWIVEL | |
| | 45 | 1 | *148-8369* | 5 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8628** | 1 | ELBOW | |
| | 46 | 1 | *148-8370* | 1 | ELBOW GP | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9851** | 1 | ELBOW | |
| | 47 | 2 | *148-8374* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8723** | 1 | ELBOW | |
| | 48 | 1,2 | *148-8378* | 11 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1,2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1,2 | **6V-8724** | 1 | ELBOW | |
| | 49 | 1 | *148-8415* | 1 | REDUCER GP | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8936** | 1 | REDUCER | |
| | 50 | 2 | *148-8426* | 1 | TEE GP | |
| | | 2 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 2 | **8T-6696** | 1 | TEE-O-RING | |
| | 51 | 2 | *148-8428* | 1 | TEE GP | |
| | | 2 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 2 | **6V-8782** | 1 | TEE-FACE SEAL | |

*157-8029* **LINES GP-PILOT** *(contd.)* **i01452658**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 52 | 2 | *148-8433* | 1 | TEE GP | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-9836** | 1 | TEE-SWIVEL | |
| | 53 | 2 | *148-8435* | 1 | TEE GP | |
| | | 2 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 2 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 2 | **6V-8781** | 1 | TEE-FACE SEAL | |
| | 54 | 1 | *148-8439* | 1 | TEE GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8774** | 1 | TEE | |
| | 55 | 1 | *148-8444* | 1 | TEE AS-ORFS | |
| | | 1 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9837** | 1 | TEE-SWIVEL | |
| | 56 | 1 | *150-5968* | 1 | TEE GP | |
| | | 1 | **4J-5477** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9835** | 1 | TEE | |
| | 57 | 1 | *164-5570* | 1 | UNION GP | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8730** | 1 | UNION-FACE SEAL | |
| | 58 | 2 | **3K-0360** | 1 | SEAL-O-RING | |
| | 59 | 1 | **4K-1388** | 1 | SEAL-O-RING | |
| | 60 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 61 | 1,2 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 62 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 63 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |
| | 64 | 2 | **6V-9830** | 1 | CAP AS | |
| | 65 | 1 | **7S-3912** | 1 | CLIP (TAB) | |
| | 66 | 1 | **7S-3913** | 1 | CLIP (SLOT) | |
| | 67 | 1 | **8S-0023** | 1 | CLIP (SLOT) | |
| | 68 | 1 | **8S-0024** | 1 | CLIP (TAB) | |
| M | 69 | 2 | **8T-0287** | 4 | BOLT (M5X0.8X10MM) | |
| | 70 | 1 | **8T-1893** | 1 | CLIP (SLOT) | |
| | 71 | 1 | **8T-1894** | 1 | CLIP (TAB) | |
| | 72 | 2 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 73 | 2 | **8T-4205** | 2 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 74 | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 75 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 76 | 2 | **8T-9368** | 2 | BOLT (1/4-20X2.25 IN) | |
| | 77 | 1 | **9B-7237** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 78 | 2 | **9X-6281** | 4 | SCREW-MACHINE (4-40X1 IN) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

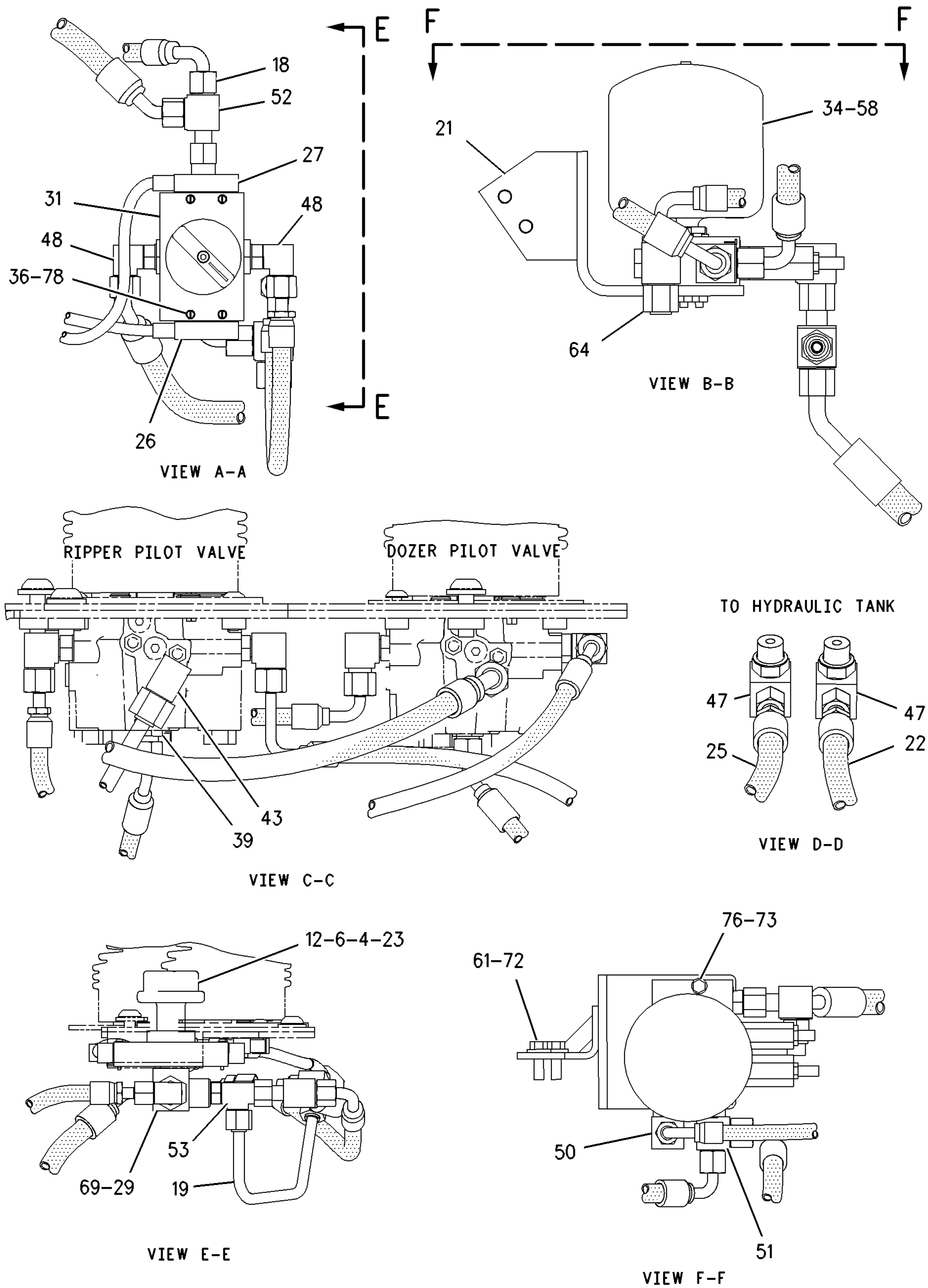
*157-8029* **LINES GP-PILOT** ***(contd.)*** **i01452658**




GRAPHIC #1

g00761974

*157-8029* **LINES GP-PILOT** ***(contd.)*** **i01452658**




GRAPHIC #2

g00762268

# MEMORANDA

# *161-1014* LINES GP-PILOT

**S/N: AKA1-UP**

**DOZER & WINCH**

**PART OF 160-5560 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5057** **i01488952**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Z-9787** | 1 | BOSS | |
| | 2 | 1 | **7K-1181** | 4 | STRAP-CABLE | |
| | 3 | 1 | **107-1341** | 1 | ADAPTER | |
| M | 4 | 1 | **112-9319** | 1 | BOLT-HEX SOCKET (M5X0.8X80MM) | |
| | 5 | 1 | **126-0810** | 1 | LIGHT | |
| | 6 | 1 | **126-0814** | 1 | NIPPLE AS | |
| I | 7 | 1 | **159-3453** | 1 | HOSE AS | |
| | 8 | 1 | **159-9202** | 1 | SEAL | |
| I | 9 | 1 | **160-4301** | 1 | HOSE AS | |
| I | 10 | 1 | **160-4302** | 1 | HOSE AS | |
| I | 11 | 1 | **160-4303** | 1 | HOSE AS | |
| I | 12 | 1 | **160-4304** | 1 | HOSE AS | |
| I | 13 | 1 | **160-4306** | 1 | HOSE AS | |
| | 14 | 1 | **160-4326** | 1 | KNOB AS | |
| I | 15 | 1 | **161-2109** | 1 | HOSE AS | |
| I | 16 | 1 | **161-2338** | 1 | HOSE AS | |
| I | 17 | 1 | **161-2339** | 1 | HOSE AS | |
| Y | 18 | 1 | **162-0162** | 1 | VALVE GP-MANIFOLD & REDUCING | 650 |
| I | 19 | 1 | **163-3433** | 1 | HOSE AS | |
| | 20 | 1 | **163-3434** | 1 | TUBE AS | |
| | 21 | 1 | **163-3435** | 1 | TUBE AS | |
| | 22 | 1 | **165-0107** | 1 | HARNESS AS (WINCH-CONSOLE) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 23 | 1 | **170-7568** | 1 | BRACKET AS | |
| | | 1 | **9F-6445** | 2 | NUT-WELD (1/4-20 THD) | |
| I | 24 | 1 | **171-3013** | 1 | HOSE AS | |
| I | 25 | 1 | **171-3014** | 1 | HOSE AS | |
| | 26 | 1 | **171-8787** | 1 | CAM | |
| I | 27 | 1 | **174-3038** | 1 | HOSE AS | |
| | 28 | 1 | **189-0135** | 1 | SWITCH AS-LIMIT | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **186-3735** | 3 | PIN-CONNECTOR | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 29 | 1 | **191-3587** | 1 | SWITCH AS | |
| | | 1 | **3E-3377** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 1 | **9G-3695** | 1 | PLUG (GROMMET SEALING) | |
| | | 1 | **186-3735** | 1 | PIN-CONNECTOR | |
| | | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| I | 30 | 1 | **191-5101** | 1 | HOSE AS | |
| | 31 | 1 | **194-7008** | 1 | VALVE GP-BALL | |
| | 32 | 1 | **195-3312** | 1 | HARNESS AS (LOCKOUT INDICATOR)<br>(LOCKOUT INDICATOR) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2255** | 1 | KIT-CONNECTING PLUG (12 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |

## *161-1014* LINES GP-PILOT *(contd.)* i01488952

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 1 | **155-2271** | 1 | KIT-CONNECTING PLUG (4 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 33 | 1 | **196-1921** | 1 | PLATE | |
| I | 34 | 1 | **196-7757** | 1 | HOSE AS | |
| I | 35 | 1 | **197-5932** | 1 | HOSE AS | |
| | 36 | 1 | **200-0750** | 1 | ACCUMULATOR GP-PILOT OIL | |
| | 37 | 1 | **096-5962** | 4 | WASHER-HARD (3.4X7X0.8MM THK) | |
| | 38 | 1 | **122-0450** | 1 | GROMMET | |
| | 39 | 1 | *148-8316* | 1 | CONNECTOR GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8647** | 1 | CONNECTOR | |
| | 40 | 1 | *148-8325* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8641** | 1 | CONNECTOR | |
| | 41 | 1 | *148-8326* | 1 | CONNECTOR GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9872** | 1 | CONNECTOR | |
| | 42 | 1 | *148-8336* | 1 | CONNECTOR GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8636** | 1 | CONNECTOR | |
| | 43 | 1 | *148-8340* | 1 | CONNECTOR GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8639** | 1 | CONNECTOR | |
| | 44 | 1 | *148-8346* | 1 | ELBOW GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **8T-1686** | 1 | ELBOW | |
| | 45 | 1 | *148-8361* | 1 | ELBOW GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9200** | 1 | ELBOW (90 DEGREE) | |
| | 46 | 1 | *148-8367* | 1 | ELBOW GP | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9850** | 1 | ELBOW-SWIVEL | |
| | 47 | 1 | *148-8369* | 4 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **4J-5477** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8628** | 1 | ELBOW | |
| | 48 | 1 | *148-8370* | 1 | ELBOW GP | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9851** | 1 | ELBOW | |
| | 49 | 1 | *148-8374* | 2 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8723** | 1 | ELBOW | |
| | 50 | 1 | *148-8378* | 9 | ELBOW GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8724** | 1 | ELBOW | |
| | 51 | 1 | *148-8415* | 1 | REDUCER GP | |

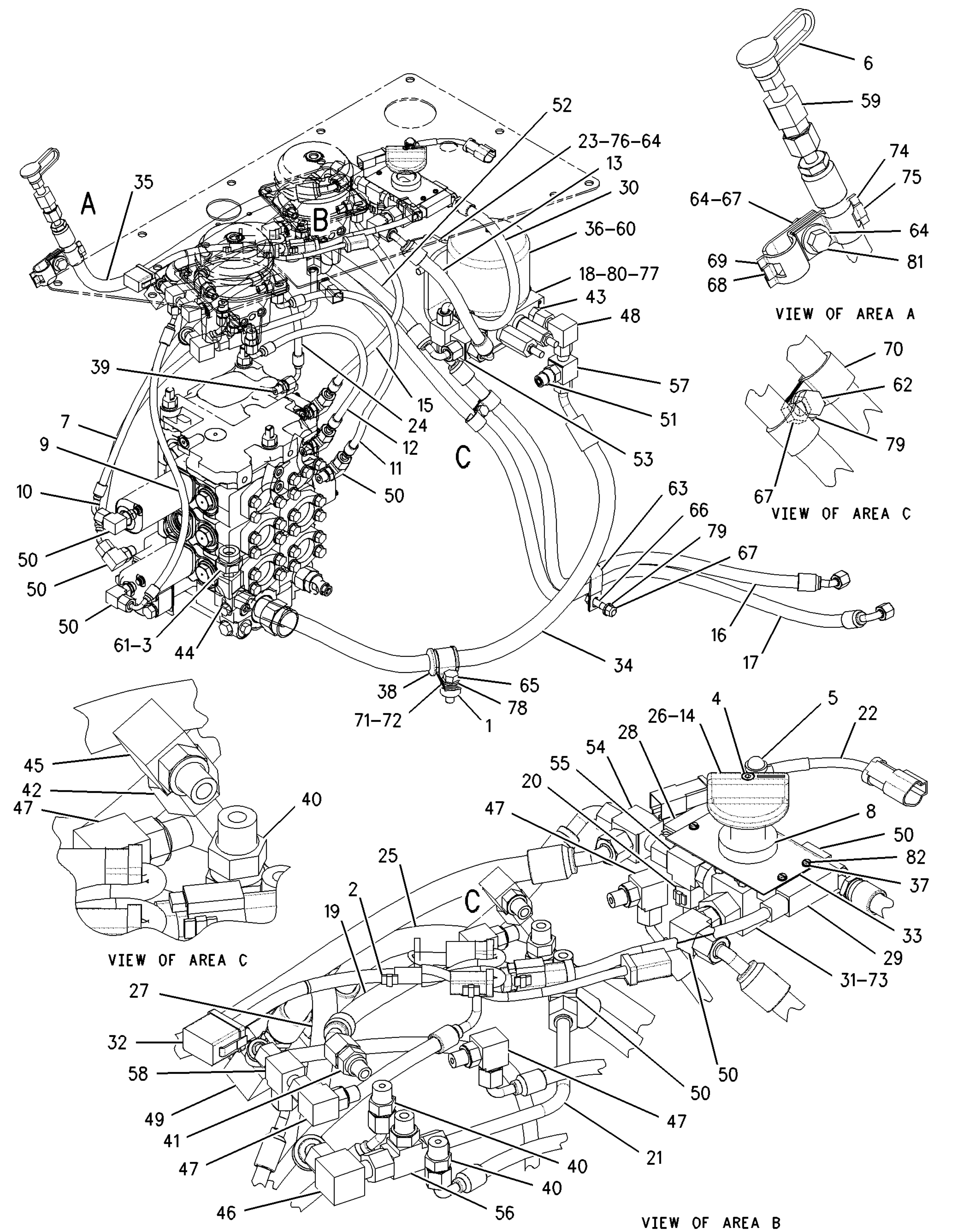
# HYDRAULIC SYSTEM

## *161-1014* **LINES GP-PILOT** *(contd.)* **i01488952**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8936** | 1 | REDUCER | |
| | 52 | 1 | *148-8426* | 1 | TEE GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **8T-6696** | 1 | TEE-O-RING | |
| | 53 | 1 | *148-8428* | 1 | TEE GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8782** | 1 | TEE-FACE SEAL | |
| | 54 | 1 | *148-8433* | 1 | TEE GP | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9836** | 1 | TEE-SWIVEL | |
| | 55 | 1 | *148-8435* | 1 | TEE GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8781** | 1 | TEE-FACE SEAL | |
| | 56 | 1 | *148-8439* | 1 | TEE GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8774** | 1 | TEE | |
| | 57 | 1 | *148-8444* | 1 | TEE AS-ORFS | |
| | | 1 | **6V-8398** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9837** | 1 | TEE-SWIVEL | |
| | 58 | 1 | *150-5968* | 1 | TEE GP | |
| | | 1 | **4J-5477** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9835** | 1 | TEE | |
| | 59 | 1 | *164-5570* | 1 | UNION GP | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-8730** | 1 | UNION-FACE SEAL | |
| | 60 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 61 | 1 | **4K-1388** | 1 | SEAL-O-RING | |
| | 62 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 63 | 1 | **5K-5338** | 1 | CLIP | |
| | 64 | 1 | **5P-1075** | 4 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 65 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 66 | 1 | **5S-7383** | 1 | BOLT (3/8-16X1.75 IN) | |
| | 67 | 1 | **6V-8801** | 3 | NUT (3/8-16 THD) | |
| | 68 | 1 | **7S-3912** | 1 | CLIP (TAB) | |
| | 69 | 1 | **7S-3913** | 1 | CLIP (SLOT) | |
| | 70 | 1 | **8M-2773** | 2 | CLIP (17.46MM ID) | |
| | 71 | 1 | **8S-0023** | 1 | CLIP (SLOT) | |
| | 72 | 1 | **8S-0024** | 1 | CLIP (TAB) | |
| M | 73 | 1 | **8T-0287** | 4 | BOLT (M5X0.8X10MM) | |
| | 74 | 1 | **8T-1893** | 1 | CLIP (SLOT) | |
| | 75 | 1 | **8T-1894** | 1 | CLIP (TAB) | |
| | 76 | 1 | **8T-2502** | 2 | BOLT (3/8-16X1.125 IN) | |
| | 77 | 1 | **8T-4205** | 2 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 78 | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 79 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 80 | 1 | **8T-9368** | 2 | BOLT (1/4-20X2.25 IN) | |
| | 81 | 1 | **9B-7237** | 1 | BOLT (3/8-16X1.25 IN) | |
| | 82 | 1 | **9X-6281** | 4 | SCREW-MACHINE (4-40X1 IN) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART
Y-SEPARATE ILLUSTRATION

*161-1014* **LINES GP-PILOT** ***(contd.)*** **i01488952**




GRAPHIC #1

g00767944

## *160-3619* LINES GP-PIN PULLER

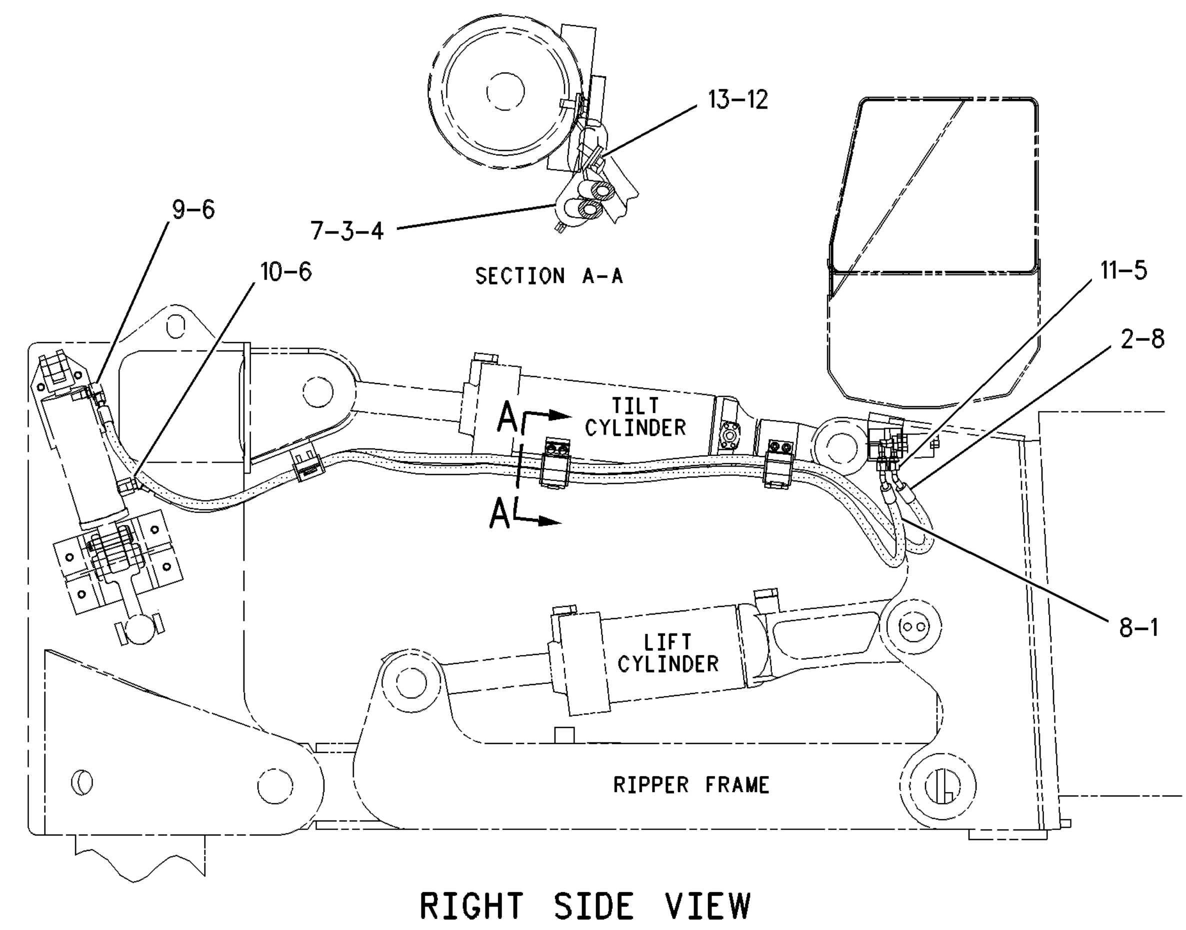
S/N: AKA1-UP

PART OF 160-3616 PULLER AR-PIN

SMCS-5354 i01488853

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| I | 1 | 1 | **164-3683** | 1 | HOSE AS | |
| I | 2 | 1 | **164-3684** | 1 | HOSE AS | |
| | 3 | 1 | **3G-8054** | 3 | CLIP (TAB) | |
| | 4 | 1 | **3G-8057** | 3 | CLIP (SLOT) | |
| | 5 | 1 | **3J-1907** | 2 | SEAL-O-RING | |
| | 6 | 1 | **3K-0360** | 2 | SEAL-O-RING | |
| | 7 | 1 | **3G-8047** | 3 | GROMMET | |
| | 8 | 1 | **6V-8398** | 4 | SEAL-O-RING | |
| | 9 | 1 | **6V-8625** | 1 | ELBOW | |
| | 10 | 1 | **6V-9002** | 1 | ELBOW | |
| | 11 | 1 | **6V-9873** | 2 | CONNECTOR-SEAL | |
| | 12 | 1 | **8T-4121** | 6 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 13 | 1 | **8T-4195** | 6 | BOLT (M10X1.5X30MM) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART




GRAPHIC #1 g00649172

# MEMORANDA

# HYDRAULIC SYSTEM

## *157-7325* LINES GP-PUMP

**S/N: AKA1-UP**

**PART OF 157-0823 HYDRAULIC AR**

**SMCS-5057** **i01497401**

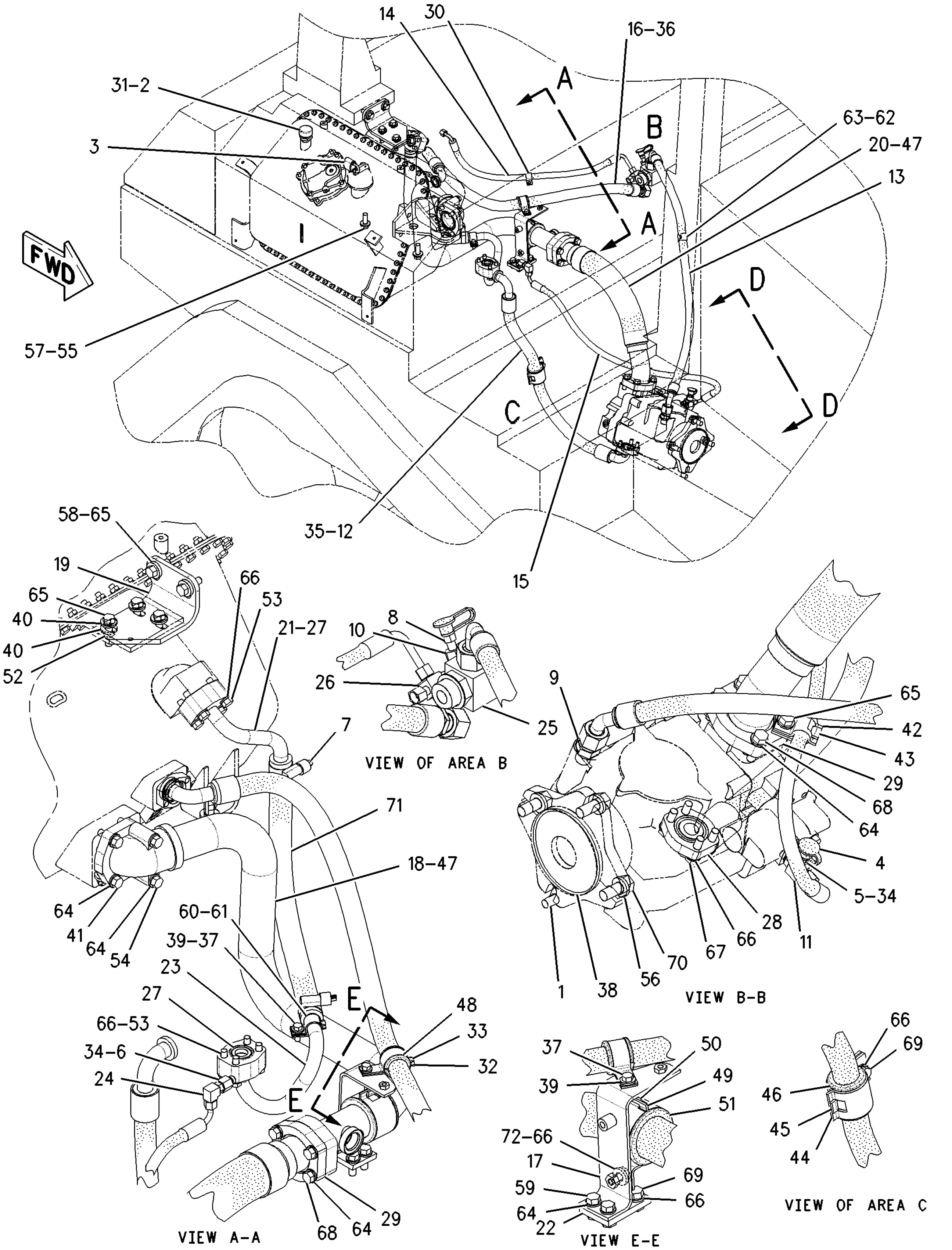
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2B-7558** | 1 | CORK | |
| | 2 | 1 | **3G-4783** | 1 | VALVE-BREAKER RELIEF | |
| | 3 | 1 | **5P-8502** | 1 | PADLOCK GP | |
| A | | 1 | **5P-8500** | 1 | KEY | |
| A | | 1 | **8Y-6364** | 1 | SLEEVE | |
| | 4 | 1 | **6V-0852** | 1 | CAP-DUST | |
| | 5 | 1 | **6V-3965** | 1 | FITTING AS (QUICK DISCONNECT) | |
| | 6 | 1 | **8J-9990** | 1 | PLUG-ORIFICE | |
| | 7 | 1 | **8T-4983** | 2 | CLAMP-HOSE | |
| | 8 | 1 | **126-0814** | 1 | NIPPLE AS | |
| | 9 | 1 | *148-8322* | 1 | CONNECTOR GP | |
| | | 1 | **2M-9780** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9746** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8640** | 1 | CONNECTOR-SEAL | |
| | 10 | 1 | *148-8367* | 1 | ELBOW GP | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-9850** | 1 | ELBOW-SWIVEL | |
| | 11 | 1 | *150-4027* | 1 | FITTING GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **3E-2310** | 1 | TEE | |
| I | 12 | 1 | **160-2200** | 1 | HOSE AS | |
| I | 13 | 1 | **160-2201** | 1 | HOSE AS | |
| I | 14 | 1 | **160-2202** | 1 | HOSE AS | |
| I | 15 | 1 | **160-2203** | 1 | HOSE AS | |
| I | 16 | 1 | **160-2205** | 1 | HOSE AS | |
| | 17 | 1 | **160-2206** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **8F-9836** | 1 | BOSS-THREADED (3/8-16X19MM THD) | |
| | | 1 | **8K-7186** | 1 | NUT-WELD (7/16-14 THD) | |
| | 18 | 1 | **162-3891** | 1 | TUBE AS | |
| | 19 | 1 | **163-6475** | 1 | BRACKET | |
| | 20 | 1 | **163-8824** | 1 | HOSE AS | |
| | 21 | 1 | **168-4528** | 1 | TUBE AS | |
| | 22 | 1 | **196-0065** | 1 | PLATE AS | |
| | | 1 | **8K-7186** | 2 | NUT-WELD (7/16-14 THD) | |
| | 23 | 1 | **196-0071** | 1 | TUBE AS | |
| | 24 | 1 | *148-8378* | 1 | ELBOW GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8724** | 1 | ELBOW | |
| | 25 | 1 | *148-8391* | 1 | ELBOW GP | |
| | | 1 | **2S-4078** | 1 | SEAL-O-RING | |
| | | 1 | **5K-9090** | 1 | SEAL-O-RING | |
| | | 1 | **8T-8987** | 1 | ELBOW-O-RING | |
| | 26 | 1 | *148-8433* | 1 | TEE GP | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | | 1 | **6V-9836** | 1 | TEE-SWIVEL | |
| | 27 | 1 | **1P-3704** | 2 | SEAL-RECTANGULAR | |
| | 28 | 1 | **1P-4578** | 2 | FLANGE-HALF | |
| | 29 | 1 | **1P-4584** | 4 | FLANGE-HALF | |
| | 30 | 1 | **1S-0994** | 1 | CLIP | |
| | 31 | 1 | **3D-2824** | 1 | SEAL-O-RING | |
| | 32 | 1 | **3G-6883** | 1 | CLIP (SLOT) | |
| | 33 | 1 | **3G-6884** | 1 | CLIP (TAB) | |
| | 34 | 1 | **3J-1907** | 2 | SEAL-O-RING | |

## *157-7325* LINES GP-PUMP *(contd.)* i01497401

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 35 | 1 | **4J-0520** | 2 | SEAL-O-RING | |
| | 36 | 1 | **4J-0522** | 1 | SEAL-O-RING | |
| | 37 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 38 | 1 | **5F-3106** | 1 | SEAL-O-RING | |
| | 39 | 1 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 40 | 1 | **5P-1076** | 6 | WASHER-HARD (13.5X30X4MM THK) | |
| | 41 | 1 | **5P-2566** | 2 | BOLT (1/2-13X1.5 IN) | |
| | 42 | 1 | **5P-7458** | 1 | CLIP (SLOT) | |
| | 43 | 1 | **5P-7459** | 1 | CLIP (TAB) | |
| | 44 | 1 | **5P-7468** | 1 | CLIP (SLOT) | |
| | 45 | 1 | **5P-7469** | 1 | CLIP (TAB) | |
| | 46 | 1 | **5P-8444** | 1 | GROMMET | |
| | 47 | 1 | **6J-2680** | 3 | SEAL-O-RING | |
| | 48 | 1 | **6V-0871** | 1 | GROMMET | |
| | 49 | 1 | **6V-1867** | 1 | CLIP (SLOT) | |
| | 50 | 1 | **6V-1868** | 1 | CLIP (TAB) | |
| | 51 | 1 | **6V-1869** | 1 | GROMMET | |
| | 52 | 1 | **6V-8188** | 3 | NUT (1/2-13 THD) | |
| | 53 | 1 | **7X-0310** | 8 | BOLT (7/16-14X2 IN) | |
| | 54 | 1 | **7X-0328** | 2 | BOLT (1/2-13X3.50 IN) | |
| | 55 | 1 | **7X-0345** | 2 | BOLT (5/8-11X1.75 IN) | |
| | 56 | 1 | **7X-0513** | 3 | WASHER-HARD (17X30X5MM THK) | |
| | 57 | 1 | **7X-0515** | 2 | WASHER-HARD (17X35X5MM THK) | |
| | 58 | 1 | **7X-3391** | 2 | WASHER-HARD (13.5X32X6MM THK) | |
| | 59 | 1 | **8C-4436** | 2 | BOLT (1/2-13X1.375 IN) | |
| | 60 | 1 | **8T-1889** | 1 | CLIP (SLOT) | |
| | 61 | 1 | **8T-1890** | 1 | CLIP (TAB) | |
| | 62 | 1 | **8T-1895** | 1 | CLIP (SLOT) | |
| | 63 | 1 | **8T-1896** | 1 | CLIP (TAB) | |
| | 64 | 1 | **8T-4223** | 15 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 65 | 1 | **8T-4835** | 6 | BOLT (1/2-13X2 IN) | |
| | 66 | 1 | **8T-5360** | 15 | WASHER (12X22.5X2.5MM THK) | |
| | 67 | 1 | **8T-8916** | 4 | BOLT (7/16-14X1.5 IN) | |
| | 68 | 1 | **8T-8919** | 7 | BOLT (1/2-13X1.75 IN) | |
| | 69 | 1 | **8T-9380** | 3 | BOLT (7/16-14X1 IN) | |
| | 70 | 1 | **8T-9393** | 3 | BOLT (5/8-11X1.5 IN) | |
| E | 71 | 1 | **5P-2094** | | HOSE (60CM) | |
| | 72 | 1 | **5C-6565** | 1 | BOLT (1/2-13X1.25 IN) | |

A-NOT PART OF THIS GROUP
E-ORDER BY THE CENTIMETER
I-SEE HOSE FABRICATION GUIDE

*157-7325* **LINES GP-PUMP** *(contd.)* **i01497401**




GRAPHIC #1

g00777493

# ***153-4846*** LINES GP-RIPPER

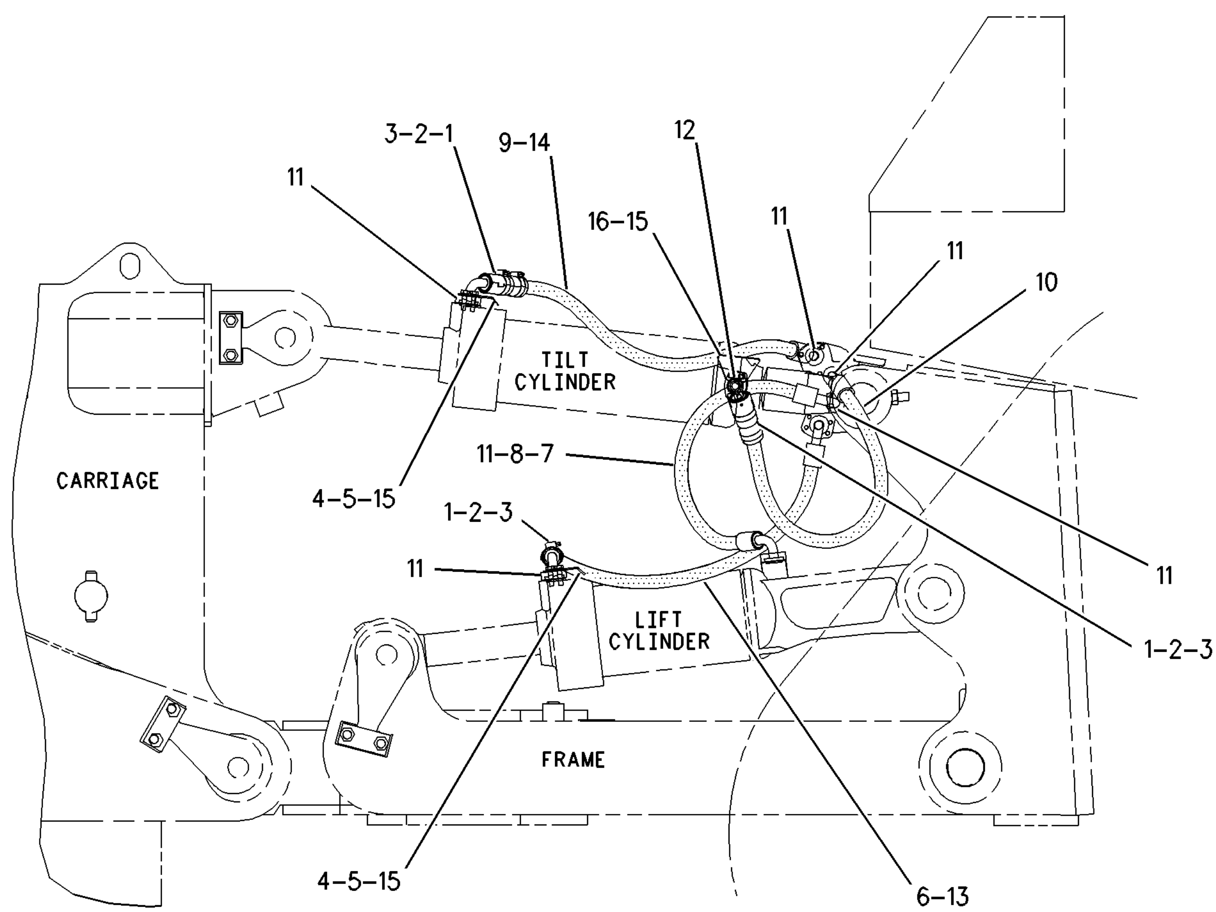
**S/N: BHD1-UP**

**PART OF 153-3130 RIPPER AR**

**SMCS-5057, 5352, 5356** **i01442441**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9M-2904** | 12 | CLAMP-HOSE | |
| | 2 | 1 | **130-1977** | 12 | SHIELD | |
| | 3 | 1 | **130-9191** | 6 | GROMMET | |
| | 4 | 1 | **139-2455** | 2 | SHIELD-RH | |
| | 5 | 1 | **139-2456** | 2 | SHIELD-LH | |
| I | 6 | 1 | **162-0384** | 1 | HOSE AS (RH) | |
| I | 7 | 1 | **162-0385** | 1 | HOSE AS (LH) | |
| I | 8 | 1 | **162-0386** | 1 | HOSE AS (RH) | |
| I | 9 | 1 | **162-0387** | 1 | HOSE AS (RH) | |
| I | 10 | 1 | **162-0388** | 2 | HOSE AS | |
| | 11 | 1 | **4J-0520** | 14 | SEAL-O-RING (32.92MM ID) | |
| | 12 | 1 | **4J-5267** | 2 | SEAL-O-RING (24.99MM ID) | |
| I | 13 | 1 | **170-1574** | 1 | HOSE AS (LH) | |
| I | 14 | 1 | **170-1575** | 1 | HOSE AS (LH) | |
| M | 15 | 1 | **8T-4186** | 12 | BOLT (M10X1.5X40MM) | |
| | 16 | 1 | **190-1475** | 2 | SHIELD | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART




RIGHT SIDE VIEW

GRAPHIC #1

g00693260

# HYDRAULIC SYSTEM

## *157-8027* LINES GP-RIPPER

S/N: AKA1-UP

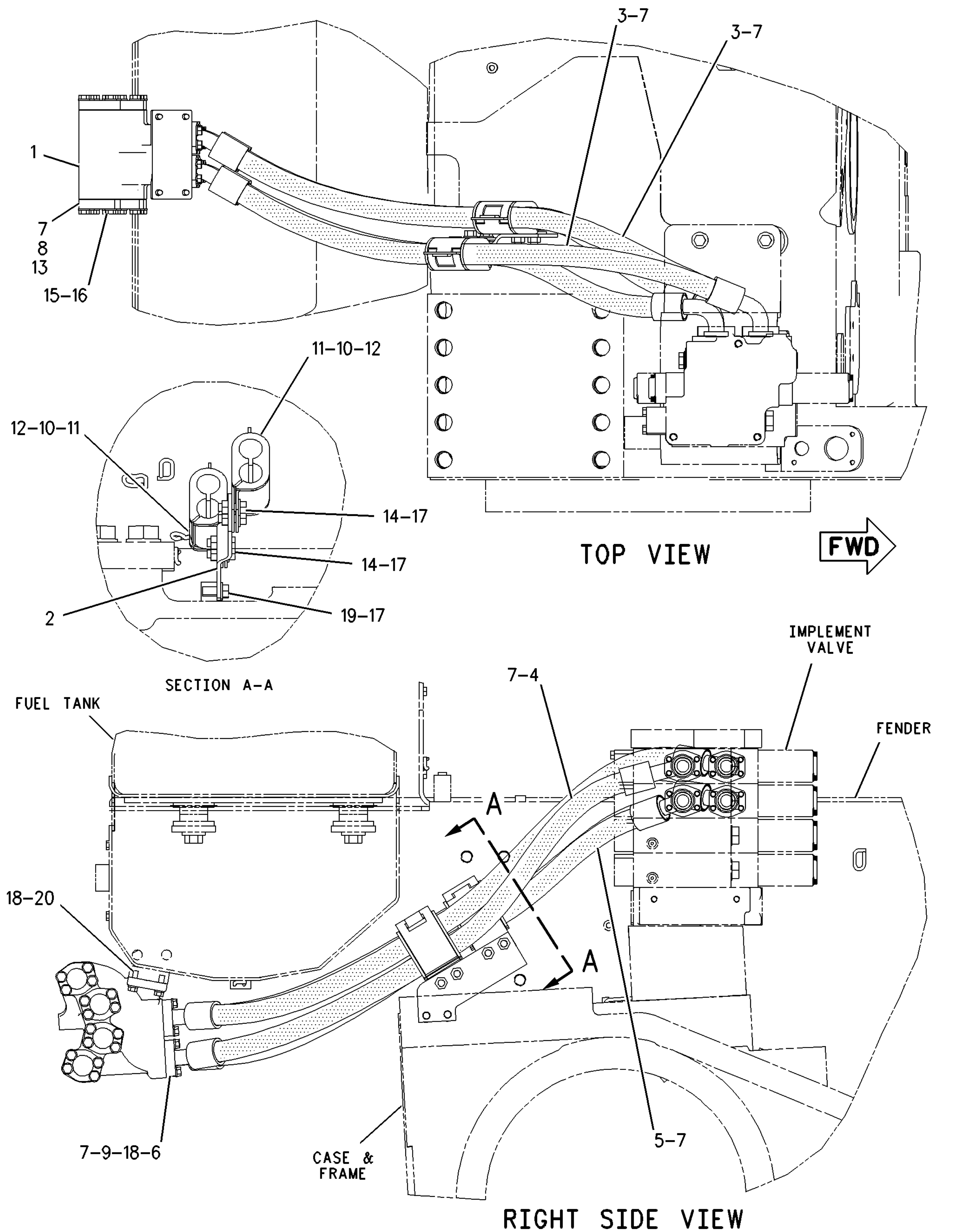
PART OF 160-1806 CONTROL AR-HYDRAULIC

SMCS-5057, 5352, 5356 i01452654

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **133-8269** | 1 | MANIFOLD | |
| | 2 | 1 | **197-5469** | 1 | PLATE AS | |
| I | 3 | 1 | **197-7338** | 2 | HOSE AS | |
| I | 4 | 1 | **197-7340** | 2 | HOSE AS | |
| I | 5 | 1 | **197-7341** | 1 | HOSE AS | |
| | 6 | 1 | **1P-4577** | 8 | FLANGE-HALF | |
| | 7 | 1 | **4J-0520** | 16 | SEAL-O-RING | |
| | 8 | 1 | **5H-4019** | 8 | COVER | |
| | 9 | 1 | **5S-7382** | 16 | BOLT (3/8-16X1.375 IN) | |
| | 10 | 1 | **7G-5984** | 2 | CLIP (TAB) | |
| | 11 | 1 | **7G-5985** | 2 | CLIP (SLOT) | |
| | 12 | 1 | **7G-5986** | 2 | GROMMET | |
| | 13 | 1 | **8C-3206** | 16 | FLANGE-HALF | |
| | 14 | 1 | **8C-4436** | 4 | BOLT (1/2-13X1.375 IN) | |
| | 15 | 1 | **8T-4121** | 32 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 16 | 1 | **8T-4196** | 32 | BOLT (M10X1.5X35MM) | |
| | 17 | 1 | **8T-4223** | 6 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 18 | 1 | **8T-4896** | 20 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 19 | 1 | **8T-8917** | 2 | BOLT (1/2-13X1.25 IN) | |
| | 20 | 1 | **9B-7237** | 4 | BOLT (3/8-16X1.25 IN) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

*157-8027* **LINES GP-RIPPER** ***(contd.)*** **i01452654**




GRAPHIC #1

g00759726

# *8E-6579* LINES GP-TILT CYLINDER

**S/N: AKA1-UP**

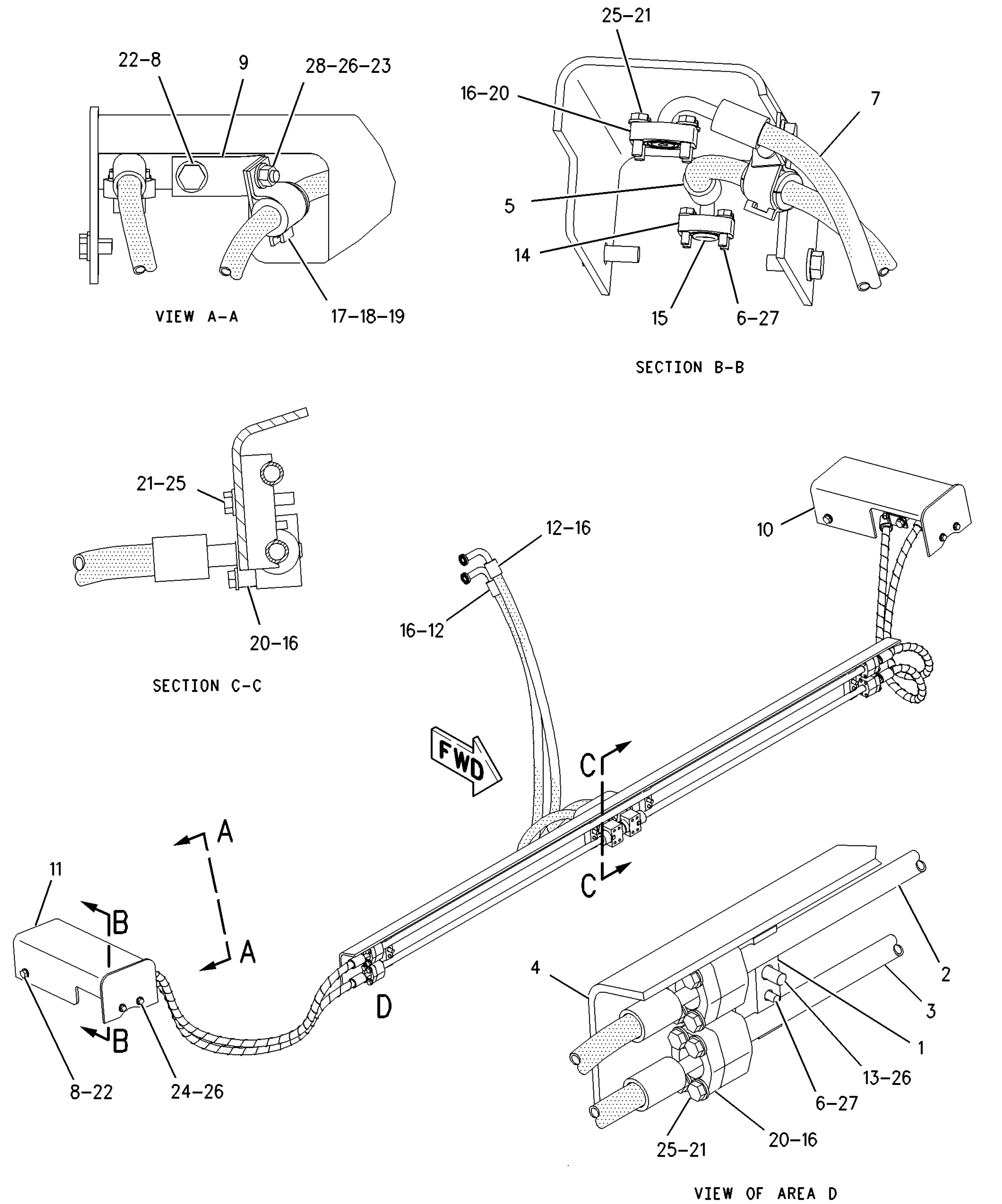
**PART OF 8E-3039 CYLINDER AR-TILT**

**SMCS-5057, 5104** **i01488348**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5S-8712** | 4 | BLOCK | |
| | 2 | 1 | **8E-6580** | 1 | TUBE AS | |
| | 3 | 1 | **8E-6581** | 2 | TUBE AS | |
| | 4 | 1 | **9W-0194** | 1 | GUARD AS | |
| I | 5 | 1 | **9W-0197** | 2 | HOSE AS | |
| M | 6 | 1 | **8T-7547** | 12 | BOLT (M8X1.25X30MM) | |
| I | 7 | 1 | **9W-0198** | 2 | HOSE AS | |
| M | 8 | 1 | **8T-7338** | 6 | BOLT (M16X2.0X45MM) | |
| | 9 | 1 | **9W-8681** | 2 | BRACKET | |
| | 10 | 1 | **106-1419** | 1 | GUARD AS-LH | |
| | 11 | 1 | **106-1420** | 1 | GUARD AS-RH | |
| I | 12 | 1 | **199-7077** | 2 | HOSE AS | |
| M | 13 | 1 | **8T-4910** | 4 | BOLT (M12X1.75X60MM) | |
| | 14 | 1 | **1P-4574** | 4 | FLANGE-HALF | |
| | 15 | 1 | **4J-5140** | 2 | SEAL-O-RING | |
| | 16 | 1 | **4J-5267** | 10 | SEAL-O-RING | |
| | 17 | 1 | **5P-7464** | 2 | CLIP (SLOT) | |
| | 18 | 1 | **5P-7465** | 2 | CLIP (TAB) | |
| | 19 | 1 | **6V-1249** | 2 | GROMMET | |
| | 20 | 1 | **8C-3205** | 16 | FLANGE-HALF | |
| | 21 | 1 | **8T-4121** | 32 | WASHER-HARD (11X21X2.5MM THK) | |
| | 22 | 1 | **8T-4122** | 6 | WASHER-HARD (17X32X3.5MM THK) | |
| M | 23 | 1 | **8T-4139** | 2 | BOLT (M12X1.75X30MM) | |
| M | 24 | 1 | **8T-4192** | 4 | BOLT (M12X1.75X25MM) | |
| M | 25 | 1 | **8T-4196** | 32 | BOLT (M10X1.5X35MM) | |
| | 26 | 1 | **8T-4223** | 12 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 27 | 1 | **8T-4224** | 12 | WASHER-HARD (8.8X16X2MM THK) | |
| M | 28 | 1 | **8T-4244** | 2 | NUT (M12X1.75 THD) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

*8E-6579* **LINES GP-TILT CYLINDER** ***(contd.)*** **i01488348**




GRAPHIC #1 g00765292

# HYDRAULIC SYSTEM

## *157-7326* LINES GP-TILT CYLINDER

**S/N: AKA1-UP**

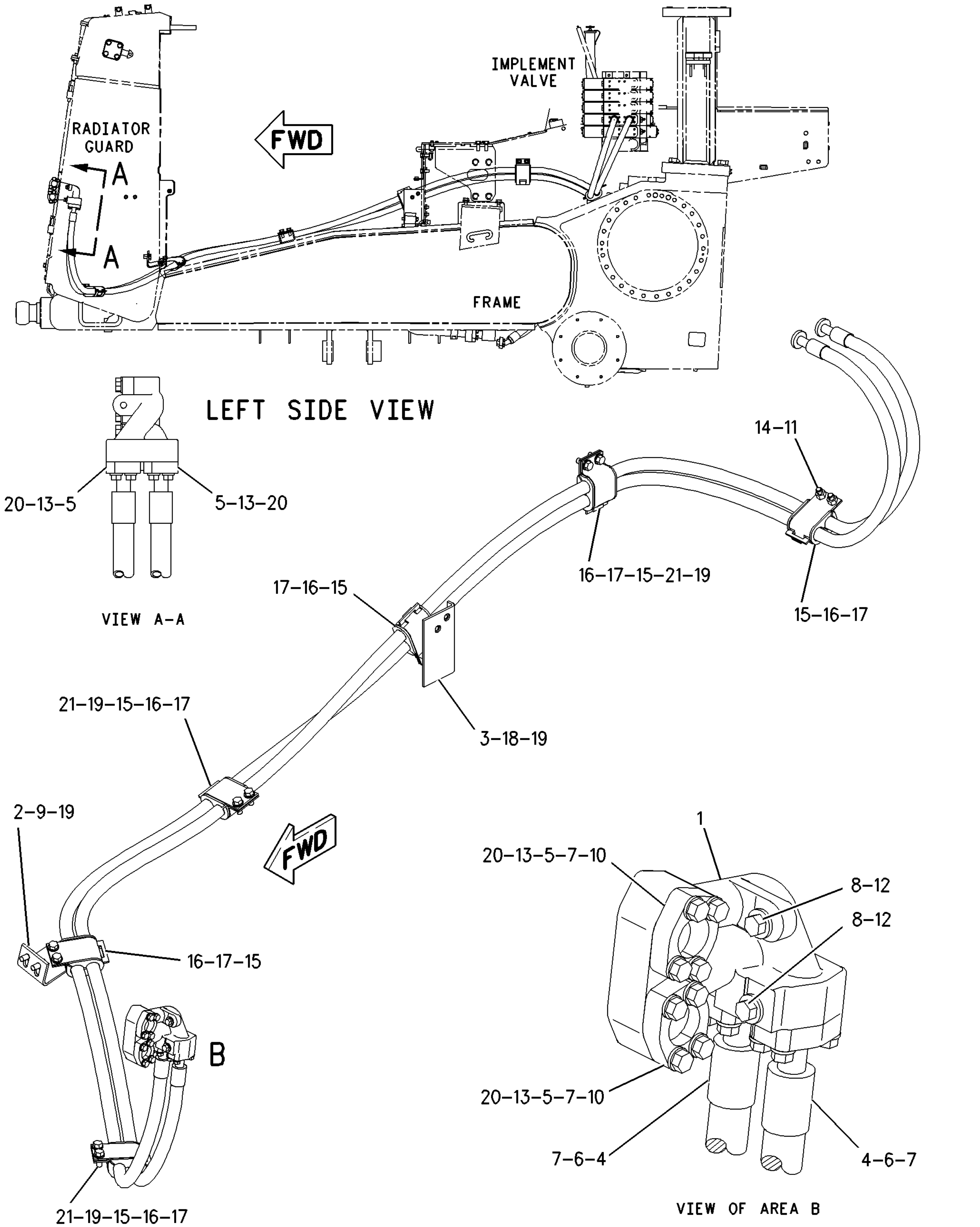
**PART OF 157-0823 HYDRAULIC AR**

**SMCS-5057, 5104** i01497426

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-8916** | 1 | MANIFOLD | |
| | 2 | 1 | **9W-3162** | 1 | BRACKET AS | |
| | 3 | 1 | **132-5535** | 1 | BRACKET AS | |
| | | | | | (EACH BRACKET AS INCLUDES) | |
| | | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| I | 4 | 1 | **160-1129** | 2 | HOSE AS | |
| | 5 | 1 | **1P-4576** | 8 | FLANGE | |
| | 6 | 1 | **4J-0520** | 2 | SEAL-O-RING | |
| | 7 | 1 | **4J-5267** | 4 | SEAL-O-RING | |
| | 8 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |
| | 9 | 1 | **5C-6565** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 10 | 1 | **5H-4018** | 2 | COVER | |
| | 11 | 1 | **5M-1932** | 2 | STUD-TAPERLOCK | |
| | 12 | 1 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 13 | 1 | **5S-7382** | 16 | BOLT (3/8-16X1.375 IN) | |
| | 14 | 1 | **6V-8188** | 2 | NUT (1/2-13 THD) | |
| | 15 | 1 | **7G-3832** | 6 | GROMMET | |
| | 16 | 1 | **7G-3833** | 6 | CLIP (TAB) | |
| | 17 | 1 | **7G-3834** | 6 | CLIP (SLOT) | |
| | 18 | 1 | **8C-4436** | 4 | BOLT (1/2-13X1.375 IN) | |
| | 19 | 1 | **8T-4223** | 16 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 20 | 1 | **8T-4896** | 16 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 21 | 1 | **8T-8917** | 6 | BOLT (1/2-13X1.25 IN) | |

I-SEE HOSE FABRICATION GUIDE

*157-7326* **LINES GP-TILT CYLINDER** ***(contd.)*** **i01497426**




GRAPHIC #1

g00761855

# *158-6373* LINES GP-TILT CYLINDER

**S/N: AKA1-UP**

**DUAL**

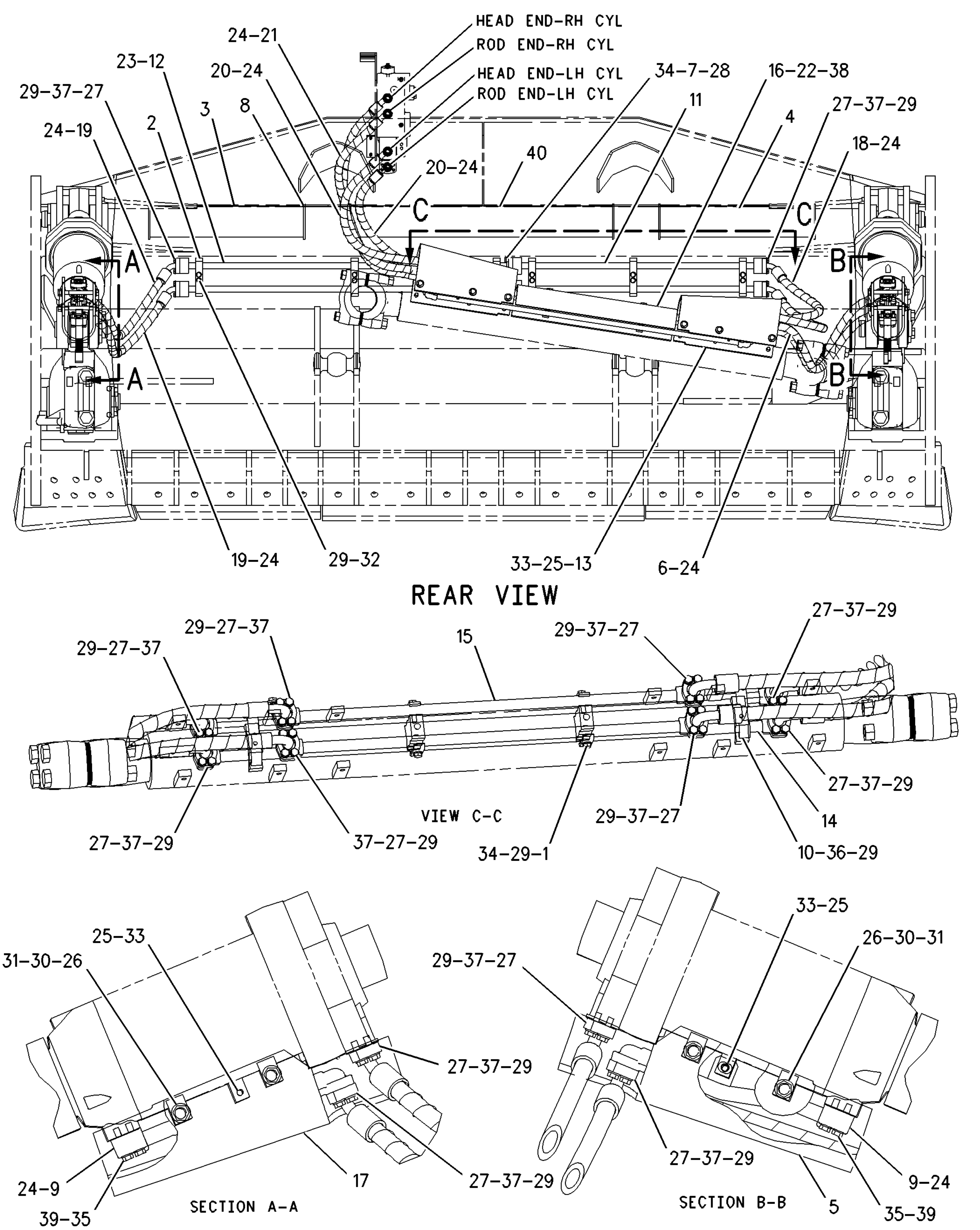
**PART OF 158-4631 CYLINDER AR-TILT**

**SMCS-5057, 5104** **i01488656**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1J-7468** | 4 | CLAMP | |
| | 2 | 1 | **4T-3981** | 6 | CLIP | |
| | 3 | 1 | **183-7205** | 1 | ANGLE | |
| | 4 | 1 | **183-7206** | 1 | ANGLE | |
| | 5 | 1 | **179-7210** | 1 | GUARD-RH | |
| I | 6 | 1 | **7T-9341** | 2 | HOSE AS | |
| | 7 | 1 | **7W-3447** | 8 | SPACER (10.2X19.05X10.2MM THK) | |
| | 8 | 1 | **8E-3600** | 6 | PLATE | |
| | 9 | 1 | **179-7209** | 2 | TUBE AS | |
| | 10 | 1 | **9W-2877** | 2 | CLAMP | |
| | 11 | 1 | **108-1225** | 2 | TUBE AS | |
| | 12 | 1 | **108-1226** | 2 | TUBE AS | |
| | 13 | 1 | **146-3672** | 2 | GUARD | |
| | 14 | 1 | **158-6400** | 2 | TUBE AS | |
| | 15 | 1 | **158-6401** | 2 | TUBE AS | |
| | 16 | 1 | **158-7686** | 1 | GUARD | |
| | 17 | 1 | **159-0867** | 1 | GUARD | |
| I | 18 | 1 | **159-7177** | 2 | HOSE AS | |
| I | 19 | 1 | **159-7200** | 2 | HOSE AS | |
| I | 20 | 1 | **165-8354** | 2 | HOSE AS | |
| I | 21 | 1 | **165-8355** | 2 | HOSE AS | |
| | 22 | 1 | **9X-8257** | 2 | WASHER (17.5X30X3.5MM THK) | |
| | 23 | 1 | **4J-0520** | 2 | SEAL-O-RING | |
| | 24 | 1 | **4J-5267** | 22 | SEAL-O-RING | |
| | 25 | 1 | **5P-1076** | 14 | WASHER-HARD (13.5X30X4MM THK) | |
| M | 26 | 1 | **7X-2559** | 4 | BOLT (M16X2X160MM) | |
| | 27 | 1 | **8C-3205** | 32 | FLANGE-HALF | |
| | 28 | 1 | **8C-3206** | 4 | FLANGE-HALF | |
| | 29 | 1 | **8T-4121** | 82 | WASHER-HARD (11X21X2.5MM THK) | |
| | 30 | 1 | **8T-4122** | 8 | WASHER-HARD (17X32X3.5MM THK) | |
| M | 31 | 1 | **8T-4778** | 4 | LOCKNUT (M16X2 THD) | |
| M | 32 | 1 | **8T-4136** | 12 | BOLT (M10X1.5X25MM) | |
| M | 33 | 1 | **8T-4139** | 14 | BOLT (M12X1.75X30MM) | |
| M | 34 | 1 | **8T-4182** | 12 | BOLT (M10X1.5X45MM) | |
| M | 35 | 1 | **8T-4185** | 8 | BOLT (M10X1.5X50MM) | |
| M | 36 | 1 | **8T-4195** | 2 | BOLT (M10X1.5X30MM) | |
| M | 37 | 1 | **8T-4196** | 64 | BOLT (M10X1.5X35MM) | |
| M | 38 | 1 | **8T-4779** | 2 | BOLT (M16X2X35MM) | |
| | 39 | 1 | **9X-2027** | 8 | WASHER (11X18X2MM THK) | |
| | 40 | 1 | **6I-8516** | 1 | ANGLE | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

*158-6373* **LINES GP-TILT CYLINDER** ***(contd.)*** **i01488656**




GRAPHIC #1

g00662275

## *201-5703* LINES GP-TILT CYLINDER

**S/N: CXB1-UP; CXL1-UP; BHW1-UP**

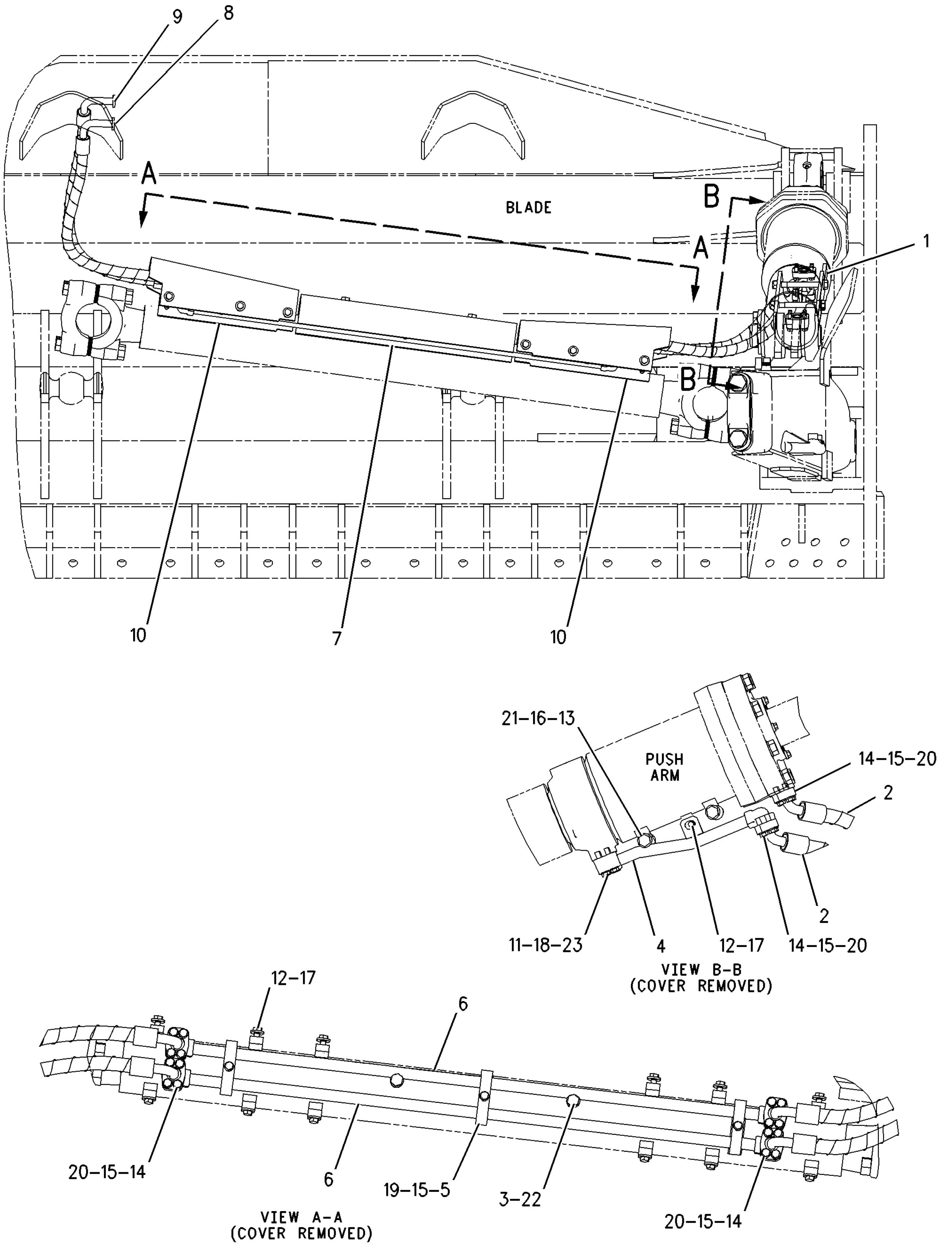
**PART OF 159-1633 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-5057, 5104** **i01496538**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-9333** | 1 | GUARD | |
| I | 2 | 1 | **7T-9341** | 2 | HOSE AS | |
| | 3 | 1 | **9X-8257** | 2 | WASHER (17.5X30X3.5MM THK) | |
| | 4 | 1 | **8E-6183** | 1 | TUBE AS | |
| | 5 | 1 | **9W-2877** | 3 | CLAMP | |
| | 6 | 1 | **158-6400** | 2 | TUBE AS | |
| | 7 | 1 | **158-7686** | 1 | GUARD | |
| I | 8 | 1 | **199-7078** | 1 | HOSE AS | |
| I | 9 | 1 | **199-7079** | 1 | HOSE AS | |
| | 10 | 1 | **201-5696** | 2 | GUARD | |
| | 11 | 1 | **4J-5267** | 9 | SEAL-O-RING | |
| | 12 | 1 | **5P-1076** | 13 | WASHER-HARD (13.5X30X4MM THK) | |
| M | 13 | 1 | **7X-2559** | 2 | BOLT (M16X2X160MM) | |
| | 14 | 1 | **8C-3205** | 12 | FLANGE-HALF | |
| | 15 | 1 | **8T-4121** | 27 | WASHER-HARD (11X21X2.5MM THK) | |
| | 16 | 1 | **8T-4122** | 4 | WASHER-HARD (17X32X3.5MM THK) | |
| M | 17 | 1 | **8T-4139** | 13 | BOLT (M12X1.75X30MM) | |
| M | 18 | 1 | **8T-4185** | 4 | BOLT (M10X1.5X50MM) | |
| M | 19 | 1 | **8T-4195** | 3 | BOLT (M10X1.5X30MM) | |
| M | 20 | 1 | **8T-4196** | 24 | BOLT (M10X1.5X35MM) | |
| M | 21 | 1 | **8T-4778** | 2 | LOCKNUT (M16X2 THD) | |
| M | 22 | 1 | **8T-4779** | 2 | BOLT (M16X2X35MM) | |
| | 23 | 1 | **9X-2027** | 4 | WASHER (11X18X2MM THK) | |

I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

*201-5703* **LINES GP-TILT CYLINDER** *(contd.)* **i01496538**




GRAPHIC #1

g00777773

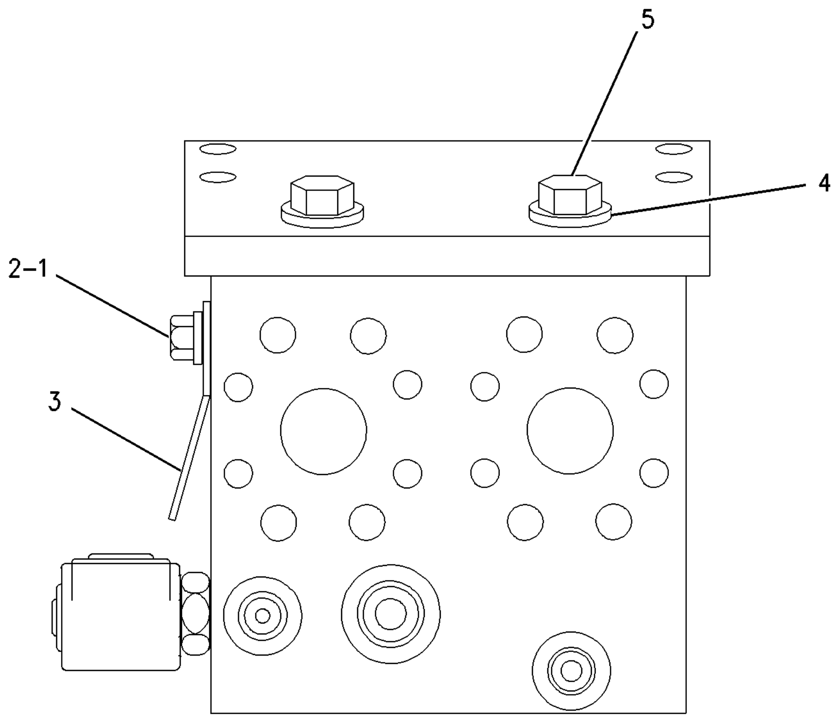
# *161-8893* MANIFOLD GP-HYDRAULIC

S/N: AKA1-UP

PART OF 160-8403 LINES GP-WINCH

SMCS-5264 i01488938

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5P-8167** | 1 | BOLT (3/8-16X0.625 IN) | |
| | 2 | 1 | **8T-4896** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 3 | 1 | **4P-7581** | 1 | CLIP | |
| | 4 | 1 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 5 | 1 | **8T-8917** | 2 | BOLT (1/2-13X1.25 IN) | |




GRAPHIC #1 g00649420

# *163-0829* MANIFOLD GP-INLET

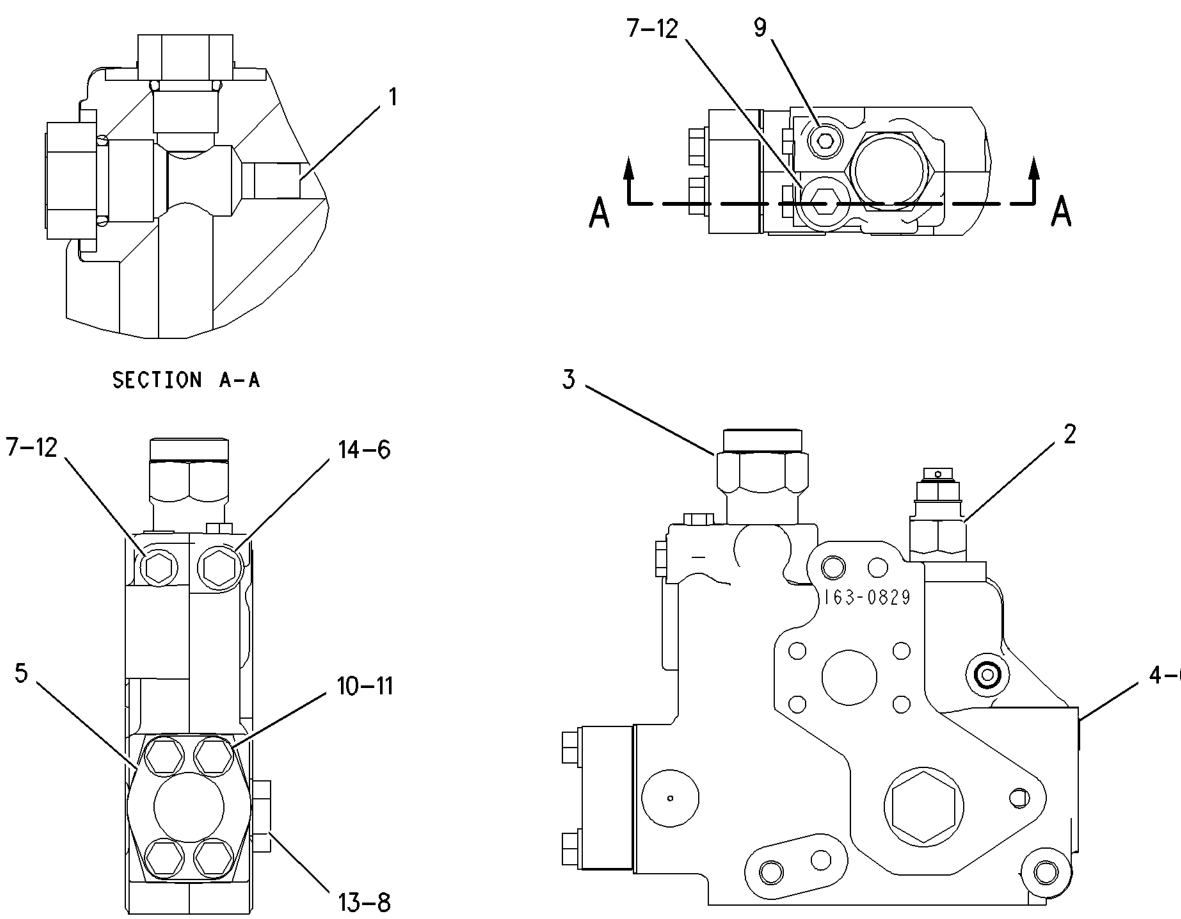
**S/N: AKA1-UP**

**PART OF 160-5951, 160-5952, 160-8612 VALVE GP-CONTROL**

**SMCS-5264** **i01439880**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8J-6815** | 1 | PLUG-ORIFICE | |
| Y | 2 | 1 | **4T-4935** | 1 | VALVE GP-RELIEF (MAIN) | 666 |
| Y | 3 | 1 | **104-7574** | 1 | VALVE GP-RELIEF (CHARGE) | 667 |
| | 4 | 1 | **9S-8004** | 1 | PLUG | |
| | 5 | 1 | **1P-4577** | 2 | FLANGE-HALF | |
| | 6 | 1 | **3J-1907** | 2 | SEAL-O-RING (11.89MM ID) | |
| | 7 | 1 | **3J-7354** | 2 | SEAL-O-RING (8.92MM ID) | |
| | 8 | 1 | **4K-1388** | 1 | SEAL-O-RING (26.59MM ID) | |
| Y | 9 | 1 | **4T-5896** | 1 | VALVE GP-CHECK (REVERSE FLOW) | 635 |
| | 10 | 1 | **5S-7382** | 4 | BOLT (3/8-16X1.375 IN) | |
| | 11 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 12 | 1 | **9S-4182** | 2 | PLUG-O-RING | |
| | 13 | 1 | **9S-4188** | 1 | PLUG-O-RING | |
| | 14 | 1 | **9S-4191** | 1 | PLUG | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00663064

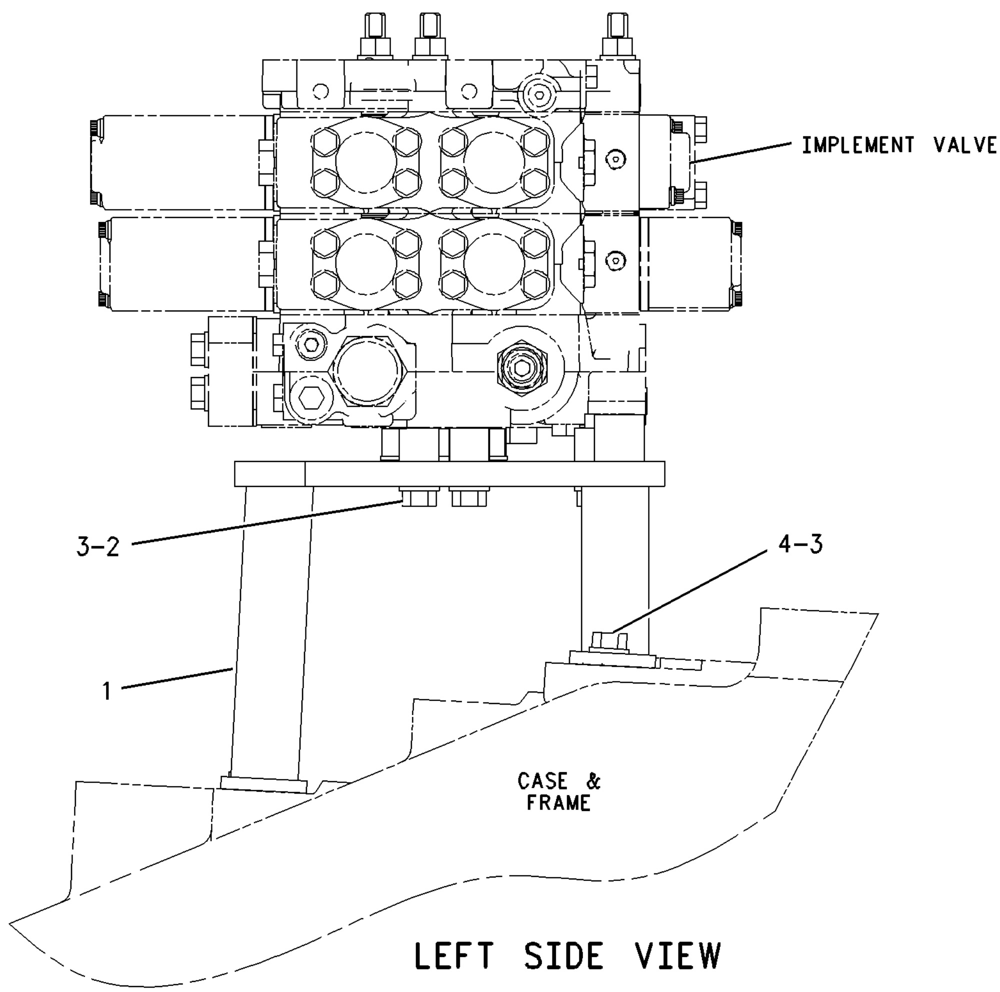
# *157-7327* MOUNTING GP-VALVE

S/N: AKA1-UP

PART OF 157-0823 HYDRAULIC AR

SMCS-5051 i01439002

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **196-0066** | 1 | PLATE AS | |
| | | 1 | **8K-7186** | 2 | NUT-WELD (7/16-14 THD) | |
| | 2 | 1 | **5P-2424** | 3 | BOLT (1/2-13X2.25 IN) | |
| | 3 | 1 | **8T-4223** | 7 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 4 | 1 | **8T-8917** | 4 | BOLT (1/2-13X1.25 IN) | |




GRAPHIC #1 g00759077

# MEMORANDA

# 9T-8346 PUMP GP-PISTON*R

**S/N: AKA1-UP**

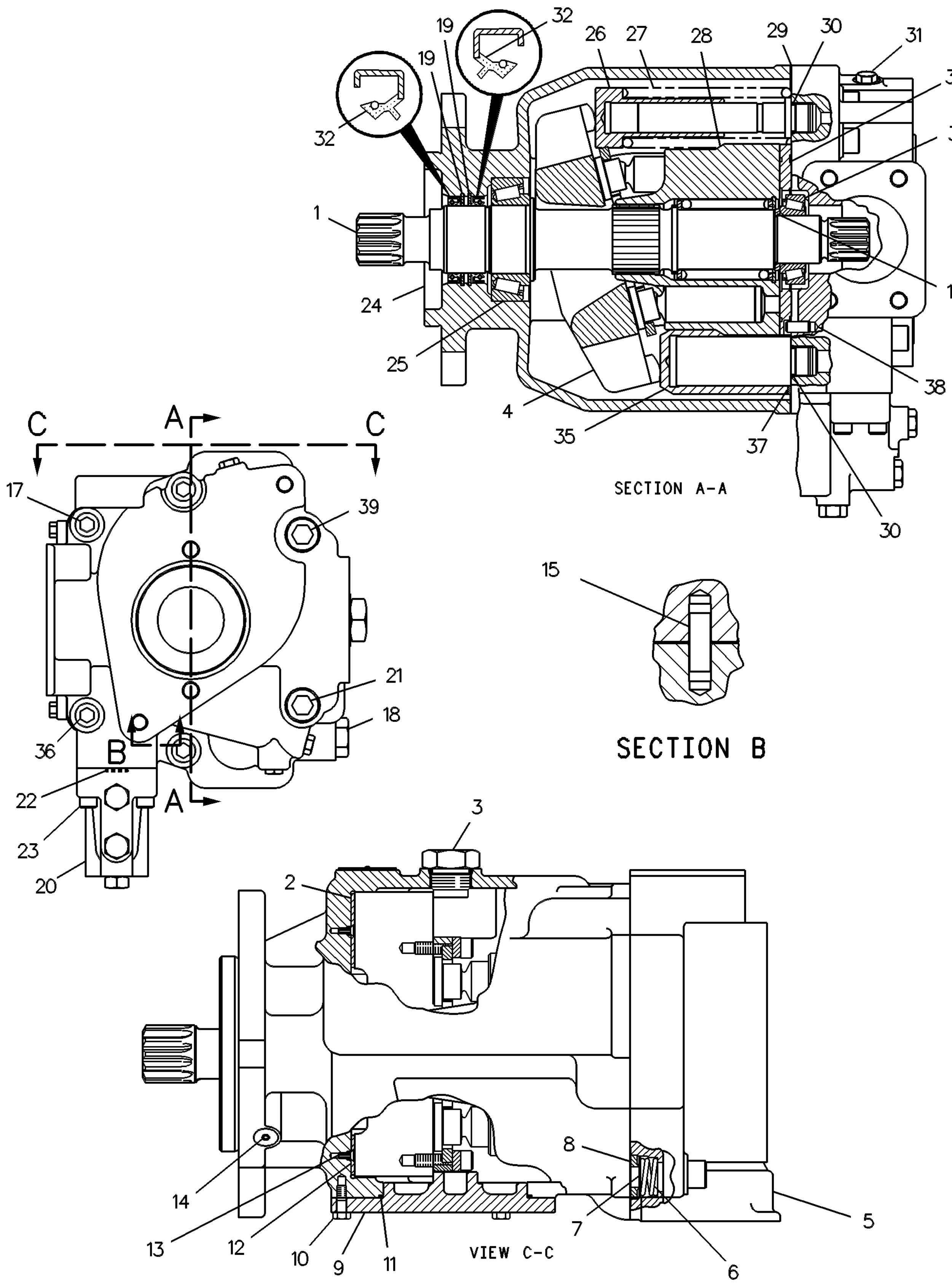
**PART OF 157-0823 HYDRAULIC AR**

SMCS-5070 i01502173

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6E-4248** | 1 | SHAFT-GOVERNOR CONTROL | |
| | 2 | 1 | **6E-4237** | 1 | BEARING | |
| | 3 | 1 | **6E-4224** | 1 | PLUG-SWASHPLATE | |
| | | 1 | **033-6036** | 1 | SEAL-O-RING | |
| Y | 4 | 1 | **6E-4221** | 1 | SWASHPLATE GP | 627 |
| | 5 | 1 | **6E-4247** | 1 | HEAD-LH | |
| | 6 | 1 | **9T-1699** | 1 | SPRING | |
| | 7 | 1 | **9T-1710** | 1 | POPPET | |
| | 8 | 1 | **9T-1636** | 1 | SEAT | |
| | 9 | 1 | **6E-4227** | 1 | COVER | |
| M | 10 | 1 | **6V-8837** | 3 | BOLT (M6X1X16 MM) | |
| | 11 | 1 | **4F-4097** | 1 | SEAL-O-RING | |
| | 12 | 1 | **6E-4236** | 1 | BEARING | |
| M | 13 | 1 | **3E-4302** | 2 | SCREW-FLAT HEAD (M4X0.7X10MM) | |
| | 14 | 1 | **6E-2943** | 1 | PLUG | |
| | 15 | 1 | **095-0888** | 2 | PIN-SPRING | |
| B | 16 | 1 | **103-6282** | 1 | SHIM PACK (INCLUDES 17 SHIMS) | |
| M | 17 | 1 | **8T-0343** | 3 | BOLT-SOCKET HEAD (M12X1.75X55MM) | |
| | 18 | 1 | **9S-4190** | 1 | PLUG-O-RING | |
| | | 1 | **033-6027** | 1 | SEAL-O-RING | |
| | 19 | 1 | **6L-8797** | 2 | RING-RETAINING | |
| Y | 20 | 1 | **6E-6044** | 1 | VALVE GP-PRESS & FLOW CMPNSTR (PUMP OUTLET CONTROL) | 662 |
| M | 21 | 1 | **3E-8007** | 1 | BOLT-SOCKET HEAD (M12X1.75X90MM) | |
| | 22 | 1 | **8T-5039** | 3 | SEAL-O-RING | |
| M | 23 | 1 | **6V-8337** | 4 | BOLT-SOCKET HEAD (M8X1.25X35MM) | |
| | 24 | 1 | **6E-4245** | 1 | HOUSING | |
| | 25 | 1 | **7K-8876** | 1 | CUP-ROLLER BEARING | |
| | | 1 | **7K-8877** | 1 | CONE-ROLLER BEARING | |
| | 26 | 1 | **6E-4213** | 1 | KIT-BIAS PISTON | |
| | | | | | (INCLUDES SPRING, ROD, PISTON & PACKING) | |
| | 27 | 1 | **6E-4214** | 1 | SPRING-BIAS | |
| Y | 28 | 1 | **6E-4216** | 1 | ROTATING GP-PUMP | 626 |
| | 29 | 1 | **6E-4225** | 1 | GASKET | |
| | 30 | 1 | **7L-9061** | 2 | SEAL-O-RING | |
| | 31 | 1 | **3E-7417** | 4 | PLUG (M10X1 THD) | |
| | | 1 | **8T-7876** | 4 | SEAL-O-RING | |
| | 32 | 1 | **9X-7547** | 2 | SEAL-LIP | |
| | 33 | 1 | **6E-4234** | 1 | PLATE-VALVE-LH | |
| | 34 | 1 | **005-0471** | 1 | CONE-BEARING | |
| | | 1 | **005-0469** | 1 | CUP-ROLLER BEARING | |
| | 35 | 1 | **6E-4215** | 1 | KIT-PISTON | |
| | | | | | (INCLUDES PACKING, ROD & PISTON) | |
| M | 36 | 1 | **3E-8008** | 1 | BOLT-SOCKET HEAD (M16X2X90MM) | |
| | 37 | 1 | **6E-4321** | 1 | SPACER | |
| | 38 | 1 | **9T-1652** | 1 | PIN | |
| | 39 | 1 | **104-4183** | 1 | SCREW-SOCKET | |

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

**9T-8346 PUMP GP-PISTON** *(contd.)* i01502173




GRAPHIC #1

g00264278

# 6E-4216 ROTATING GP-PUMP

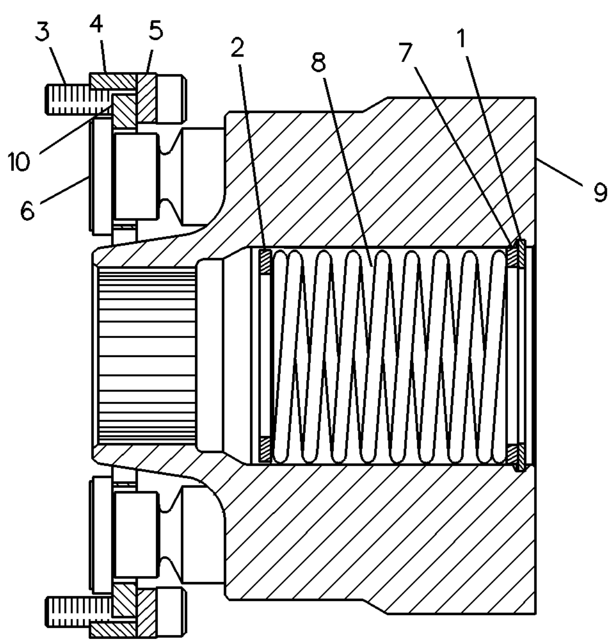
**S/N: AKA1-UP**

**PART OF 9T-8346 PUMP GP-PISTON**

**SMCS-5070** **i00570734**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9T-4906** | 1 | RING-RETAINING | |
| | 2 | 1 | **6E-4219** | 1 | GUIDE | |
| M | 3 | 1 | **6V-5192** | 4 | BOLT-SOCKET HEAD (M8X1.25X30MM) | |
| | 4 | 1 | **6E-4218** | 2 | PLATE-SPACER | |
| | 5 | 1 | **6E-4217** | 2 | PLATE-LIMITER | |
| | 6 | 1 | **9T-8452** | 9 | PISTON | |
| | 7 | 1 | **9T-8445** | 1 | GUIDE | |
| | 8 | 1 | **9T-8446** | 1 | SPRING | |
| | 9 | 1 | **9T-8448** | 1 | BARREL | |
| | 10 | 1 | **9T-8450** | 1 | PLATE-RETAINING | |

M-METRIC PART




GRAPHIC #1

g00083062

# *6E-4221* SWASHPLATE GP

**S/N: AKA1-UP**

**PART OF 9T-8346 PUMP GP-PISTON**

**FIELD REPLACEMENT ORDER 184-1527—PAGE 628**

**SMCS-5070** **i01502175**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **139-0532** | 2 | BLOCK-STOP | |
| | **8F-7219** | 2 | SEAL-O-RING | |

## 184-1527 SWASHPLATE GP

**S/N: AKA1-UP**

**FIELD REPLACEMENT FOR 6E-4221—PAGE 627**

**SMCS-5070** **i01502179**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **1H-3937** | 2 | PIN | |
| | **167-1801** | 2 | STOP-SWASHPLATE | |

# MEMORANDA

## *164-3700* TANK & FILTER GP-HYDRAULIC

**S/N: AKA1-UP**

**PART OF 157-0823 HYDRAULIC AR**

**SMCS-5056, 5068** **i01487038**

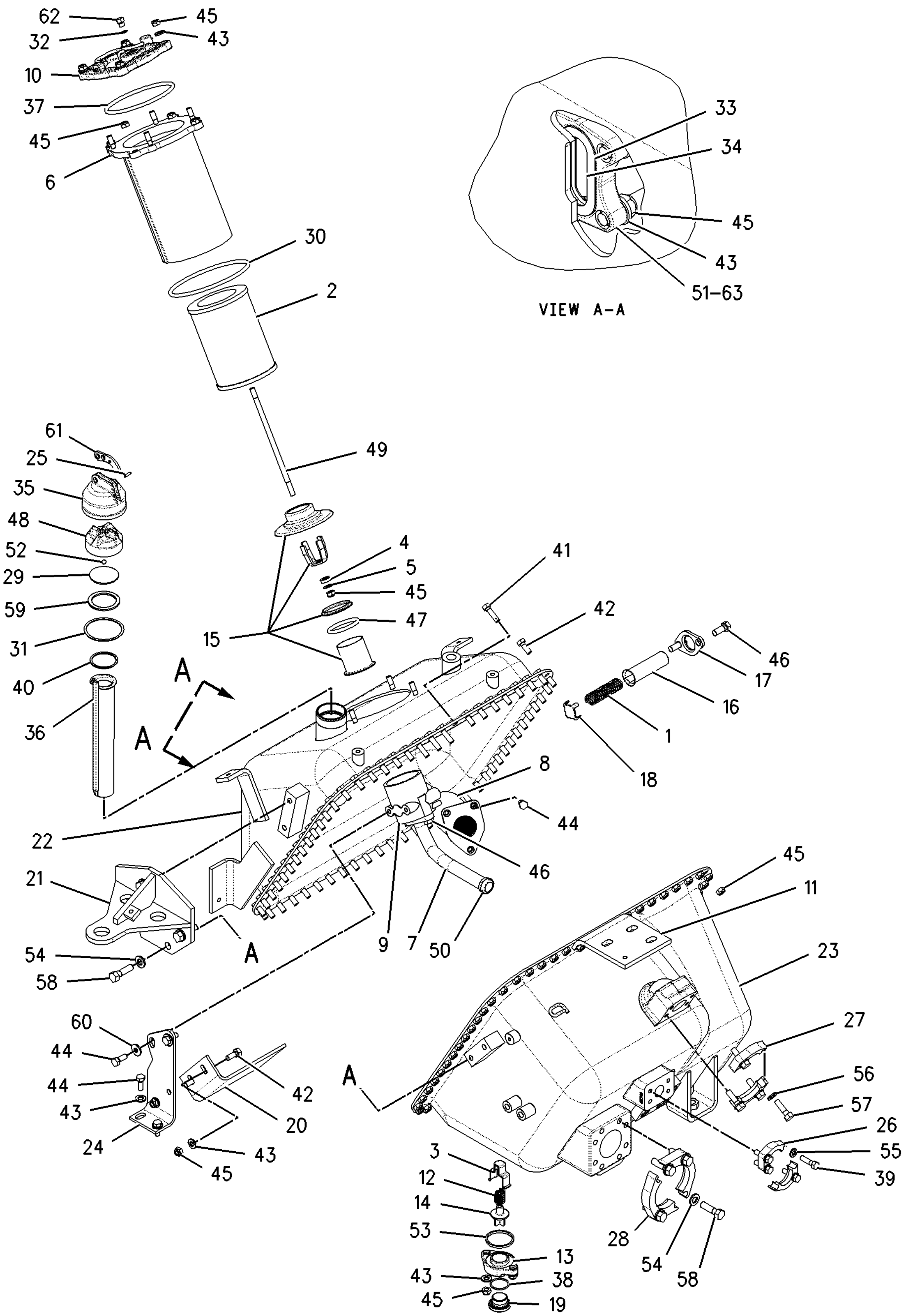
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1L-4349** | 1 | SPRING | |
| | 2 | 1 | **1R-0735** | 1 | FILTER ELEMENT AS-OIL (HYDRAULIC/REVERSE FLOW) (DISPOSABLE) | |
| | | | | | —OR— | |
| A | | 1 | **104-6931** | 1 | FILTER ELEMENT AS-OIL (REVERSE FLOW) (FIRE RESISTANT FLUID) | |
| | | | | | —OR— | |
| A | | 1 | **139-1537** | 1 | FILTER ELEMENT AS-OIL (HYDRAULIC) (HIGHER PERFORMANCE) | |
| | 3 | 1 | **1U-2827** | 1 | GUIDE-VALVE | |
| | 4 | 1 | **4H-1225** | 1 | WASHER (11X22X6MM THK) | |
| | 5 | 1 | **4M-6921** | 1 | WASHER-SPRING | |
| | 6 | 1 | **6E-1725** | 1 | TUBE AS | |
| | 7 | 1 | **6E-1744** | 1 | TUBE AS | |
| | 8 | 1 | **6E-1752** | 1 | SCREEN | |
| | 9 | 1 | **6E-2059** | 1 | HOUSING | |
| | 10 | 1 | **6E-2060** | 1 | COVER AS | |
| | 11 | 1 | **6E-4795** | 1 | BRACKET | |
| | 12 | 1 | **7B-3039** | 1 | SPRING | |
| | 13 | 1 | **8J-8782** | 1 | BODY-DRAIN VALVE | |
| | 14 | 1 | **8J-8783** | 1 | VALVE | |
| | 15 | 1 | **9J-1979** | 1 | RETAINER AS | |
| | 16 | 1 | **9J-1985** | 1 | TUBE AS | |
| | 17 | 1 | **9J-1986** | 1 | FLANGE | |
| | 18 | 1 | **9J-1988** | 1 | VALVE | |
| | 19 | 1 | **9J-7031** | 1 | PLUG-DRAIN | |
| | 20 | 1 | **106-5705** | 1 | BRACKET | |
| | 21 | 1 | **162-2913** | 1 | PLATE AS | |
| | 22 | 1 | **164-3698** | 1 | TANK AS-HYDRAULIC | |
| | | 1 | **9J-7203** | 1 | FILLER | |
| | 23 | 1 | **164-3699** | 1 | TANK AS-HYDRAULIC | |
| | 24 | 1 | **106-5706** | 1 | BRACKET | |
| | 25 | 1 | **1L-5072** | 1 | DOWEL | |
| | 26 | 1 | **1P-4577** | 2 | FLANGE-HALF | |
| | 27 | 1 | **1P-4578** | 2 | FLANGE-HALF | |
| | 28 | 1 | **1P-4584** | 2 | FLANGE-HALF | |
| | 29 | 1 | **2D-4202** | 1 | PLATE | |
| | 30 | 1 | **2H-6124** | 1 | SEAL-O-RING | |
| | 31 | 1 | **2J-7761** | 1 | RING-RETAINING | |
| | 32 | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | 33 | 1 | **4J-8251** | 1 | GROMMET | |
| | 34 | 1 | **4J-8252** | 1 | GAUGE-SIGHT | |
| | 35 | 1 | **5D-1911** | 1 | COVER-HYDRAULIC CAP | |
| | 36 | 1 | **5D-7927** | 1 | STRAINER AS | |
| | | 1 | **5F-3488** | 1 | END-STRAINER | |
| | 37 | 1 | **5H-6733** | 1 | SEAL-O-RING | |
| | 38 | 1 | **5M-2057** | 1 | SEAL-O-RING | |
| | 39 | 1 | **5S-7382** | 4 | BOLT (3/8-16X1.375 IN) | |
| | 40 | 1 | **6H-9361** | 1 | RING-RETAINING | |
| M | 41 | 1 | **6V-3822** | 4 | BOLT (M10X1.5X35MM) | |
| M | 42 | 1 | **6V-4248** | 60 | BOLT (M10X1.50X25MM) | |
| | 43 | 1 | **6V-5839** | 14 | WASHER (11X21X2.5MM THK) | |
| M | 44 | 1 | **6V-7732** | 7 | BOLT (M10X1.5X25MM) | |
| M | 45 | 1 | **6V-7744** | 79 | LOCKNUT (M10X1.5 THD) | |
| M | 46 | 1 | **6V-8097** | 4 | BOLT (M12X1.75X30MM) | |
| | 47 | 1 | **7D-1195** | 1 | SEAL-O-RING | |

## *164-3700* **TANK & FILTER GP-HYDRAULIC** *(contd.)* **i01487038**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 48 | 1 | **7H-1447** | 1 | CAP-FILLER | |
| M | 49 | 1 | **8C-0573** | 1 | STUD-TAPERLOCK | |
| | 50 | 1 | **8F-4994** | 1 | SEAL-O-RING | |
| | 51 | 1 | **8J-6913** | 1 | RETAINER-SIGHT GLASS | |
| | 52 | 1 | **8T-2275** | 1 | BALL | |
| | 53 | 1 | **8T-3298** | 1 | SEAL-RECTANGULAR | |
| | 54 | 1 | **8T-4223** | 8 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 55 | 1 | **8T-4896** | 4 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 56 | 1 | **8T-5360** | 4 | WASHER (12X22.5X2.5MM THK) | |
| | 57 | 1 | **8T-8916** | 4 | BOLT (7/16-14X1.5 IN) | |
| | 58 | 1 | **8T-8919** | 8 | BOLT (1/2-13X1.75 IN) | |
| | 59 | 1 | **9H-6454** | 1 | GASKET | |
| | 60 | 1 | **9L-9132** | 2 | WASHER (10.2X25.5X2.5MM THK) | |
| | 61 | 1 | **9M-7394** | 1 | LEVER | |
| | 62 | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| | 63 | 1 | **9T-0714** | 1 | PLATE | |

A-NOT PART OF THIS GROUP
M-METRIC PART

*164-3700* **TANK & FILTER GP-HYDRAULIC** ***(contd.)*** **i01487038**




GRAPHIC #1 g00768185

# *188-6140* VALVE & MTG GP-CONTROL

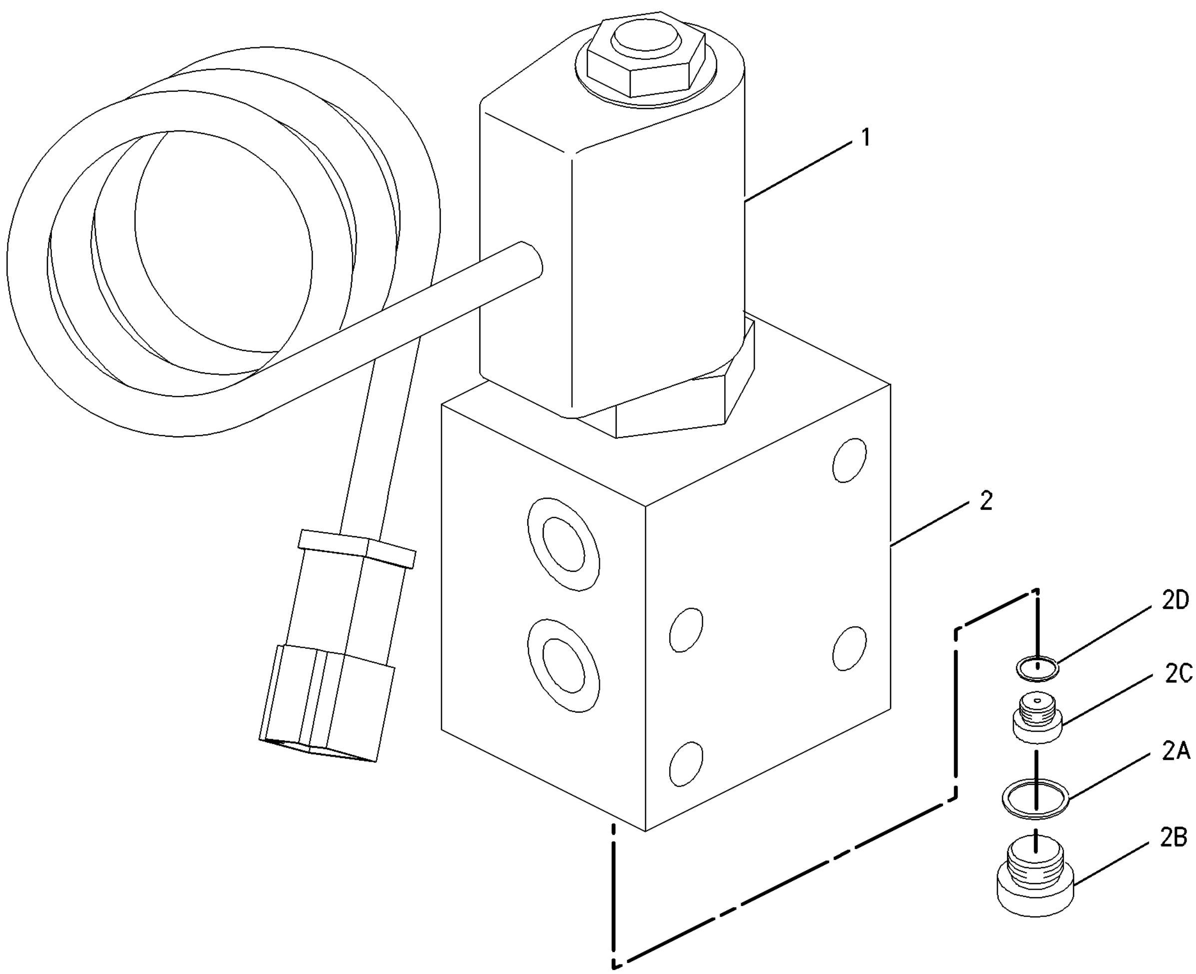
**S/N: AKA1-UP**

**PART OF 160-4781 CONTROL AR-HYDRAULIC**

**SMCS-5051** **i01488908**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **3E-8575** | 1 | VALVE GP-SOLENOID | 670 |
| | 2 | 1 | **188-6141** | 1 | MANIFOLD AS | |
| | 2A | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 2B | 1 | **9S-8004** | 1 | PLUG | |
| | 2C | 1 | **200-2964** | 1 | ORIFICE AS | |
| | 2D | 1 | **4J-7533** | 1 | SEAL-O-RING | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00764266

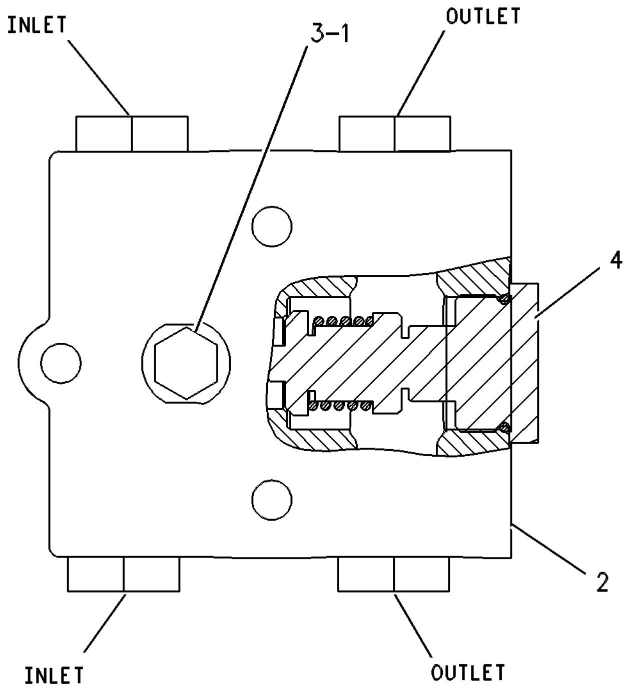
# 126-0747 VALVE GP-BYPASS

**S/N: AKA1-UP**

**PART OF 159-9309 LINES GP-STEERING**

**SMCS-5076** **i01458199**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |
| | 2 | 1 | **126-0748** | 1 | BODY | |
| | 3 | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 4 | 1 | **6V-8218** | 1 | SEAL-O-RING | |




GRAPHIC #1 g00449170

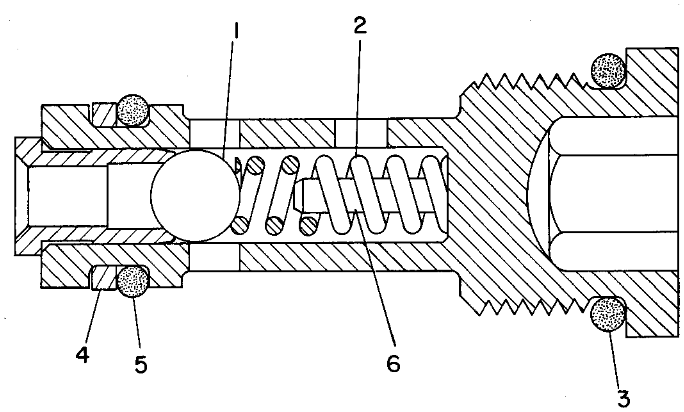
# 4T-5896 VALVE GP-CHECK

**S/N: AKA1-UP**

**PART OF 163-0829 MANIFOLD GP-INLET**

**SMCS-5067** **i00689098**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5H-1472** | 1 | BALL | |
| | 2 | 1 | **9G-0278** | 1 | SPRING | |
| | 3 | 1 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | 4 | 1 | **4T-5071** | 1 | RING-BACKUP | |
| | 5 | 1 | **8C-3085** | 1 | SEAL-O-RING (7.65MM ID) | |
| | 6 | 1 | **8L-6565** | 1 | PIN-SPRING | |




GRAPHIC #1 g00124639

# *124-2906* VALVE GP-CONTROL

**S/N: AKA1-UP**

**WINCH**

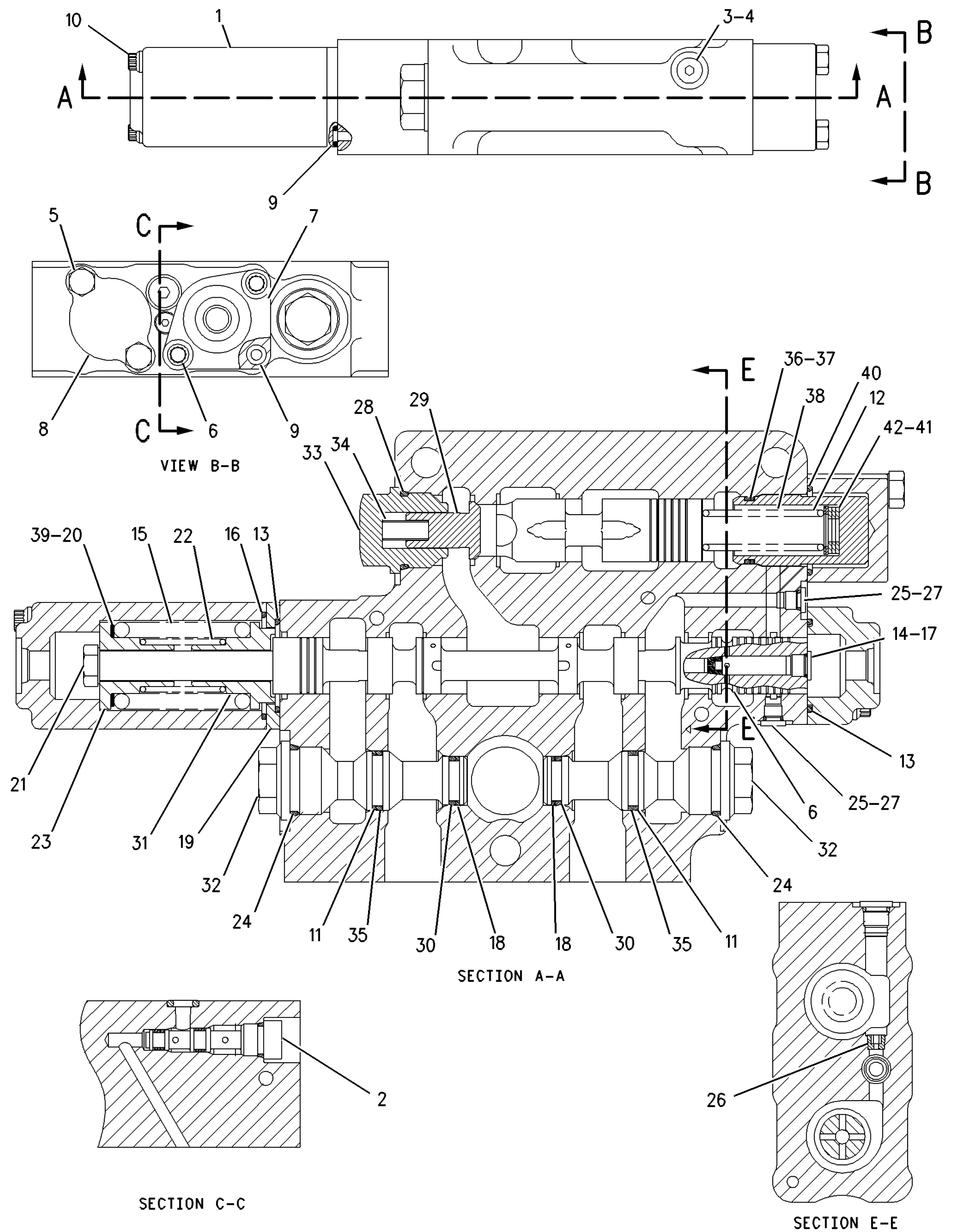
**PART OF 160-8612 VALVE GP-CONTROL**

**SMCS-5051** **i01491476**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **153-7069** | 1 | HOUSING | |
| Y | 2 | 1 | **4T-1860** | 1 | VALVE GP-SHUTTLE (BALL RESOLVER) | 669 |
| | 3 | 1 | **9S-8002** | 1 | PLUG-O-RING | |
| | 4 | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | 5 | 1 | **8T-2501** | 2 | BOLT (3/8-16X2 IN) | |
| | 6 | 1 | **7Y-4224** | 1 | ORIFICE | |
| | 7 | 1 | **4T-4636** | 1 | COVER | |
| | 8 | 1 | **4T-1649** | 1 | HOUSING | |
| | 9 | 1 | **8J-8343** | 2 | SEAL-O-RING | |
| | 10 | 1 | **9M-4288** | 2 | BOLT-12 POINT HEAD (5/16-18X4.50 IN) | |
| | 11 | 1 | **4T-5073** | 2 | RING-BACKUP | |
| | 12 | 1 | **4T-1701** | 1 | SPRING | |
| | 13 | 1 | **6J-2419** | 2 | SEAL-O-RING | |
| | 14 | 1 | **7J-0204** | 1 | SEAL-O-RING | |
| | 15 | 1 | **153-6976** | 1 | SPRING | |
| | 16 | 1 | **4L-7711** | 1 | SEAL-O-RING | |
| | 17 | 1 | **9S-8007** | 1 | PLUG-O-RING | |
| | 18 | 1 | **4T-5072** | 2 | RING-BACKUP | |
| | 19 | 1 | **4T-4634** | 1 | SPACER | |
| | 20 | 1 | **4T-4628** | 3 | SHIM (0.50MM THK) | |
| | 21 | 1 | **153-7070** | 1 | SCREW | |
| | 22 | 1 | **4T-4631** | 1 | SPRING | |
| | 23 | 1 | **153-7067** | 1 | RETAINER | |
| | 24 | 1 | **4K-1388** | 2 | SEAL-O-RING | |
| | 25 | 1 | **9S-8001** | 2 | PLUG | |
| | 26 | 1 | **9J-8126** | 1 | PLUG-ORIFICE | |
| | 27 | 1 | **4J-7533** | 2 | SEAL-O-RING | |
| | 28 | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 29 | 1 | **4T-0990** | 1 | VALVE (LOAD CHECK) | |
| | 30 | 1 | **4J-5351** | 2 | SEAL-O-RING | |
| | 31 | 1 | **4T-4633** | 1 | RETAINER | |
| | 32 | 1 | **4T-1108** | 2 | PLUG | |
| | 33 | 1 | **4T-2045** | 1 | PLUG AS | |
| | 34 | 1 | **2S-2596** | 1 | SPRING | |
| | 35 | 1 | **7J-9933** | 2 | SEAL-O-RING | |
| | 36 | 1 | **6V-5556** | 1 | SEAL-O-RING | |
| | 37 | 1 | **4T-5074** | 1 | RING-BACKUP | |
| | 38 | 1 | **4T-4511** | 1 | SLEEVE | |
| | 39 | 1 | **2J-2866** | 4 | SHIM (0.12MM THK) | |
| | 40 | 1 | **5M-2057** | 1 | SEAL-O-RING | |
| B | 41 | 1 | **4B-4278** | 3 | WASHER (10.2X20.5X1.6MM THK) | |
| B | 42 | 1 | **6E-1637** | 2 | SHIM (1.0MM THK) | |

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

*124-2906* **VALVE GP-CONTROL** ***(contd.)*** **i01491476**




GRAPHIC #1

g00675404

# 160-5951 VALVE GP-CONTROL

S/N: AKA1-UP

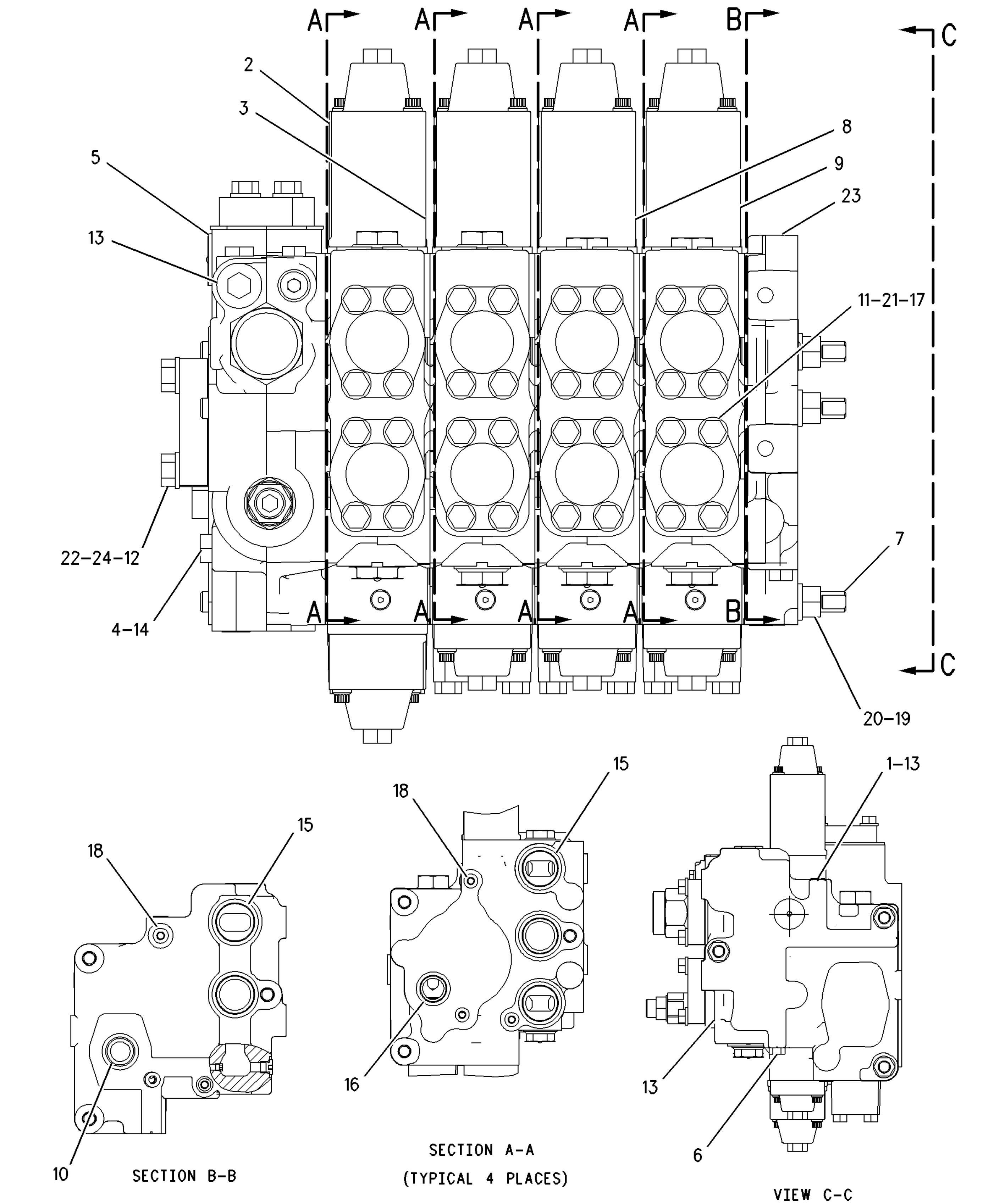
PART OF 157-7331 CONTROL AR-PILOT HYDRAULIC

SMCS-5051 i01452707

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-8002** | 2 | PLUG-O-RING | |
| Y | 2 | 1 | **160-5953** | 1 | VALVE GP-CONTROL (DOZER LIFT) | 642 |
| Y | 3 | 1 | **160-5954** | 1 | VALVE GP-CONTROL (DOZER TILT) | 644 |
| | 4 | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |
| Y | 5 | 1 | **163-0829** | 1 | MANIFOLD GP-INLET (DOZER/WINCH BANK VALVE) | 621 |
| | 6 | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| | 7 | 1 | **164-6174** | 3 | ROD | |
| Y | 8 | 1 | **169-3323** | 1 | VALVE GP-CONTROL (RIPPER LIFT) | 648 |
| Y | 9 | 1 | **169-3323** | 1 | VALVE GP-CONTROL (RIPPER TIP) | 648 |
| | 10 | 1 | **1P-3702** | 1 | SEAL-RECTANGULAR | |
| | 11 | 1 | **1P-4577** | 16 | FLANGE-HALF | |
| | 12 | 1 | **1P-4578** | 2 | FLANGE-HALF | |
| | 13 | 1 | **3J-7354** | 3 | SEAL-O-RING | |
| | 14 | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 15 | 1 | **4J-0522** | 15 | SEAL-O-RING | |
| | 16 | 1 | **4J-8997** | 4 | SEAL-O-RING | |
| | 17 | 1 | **5S-7382** | 32 | BOLT (3/8-16X1.375 IN) | |
| | 18 | 1 | **6V-5555** | 15 | SEAL-O-RING | |
| | 19 | 1 | **6V-8188** | 3 | NUT (1/2-13 THD) | |
| | 20 | 1 | **7X-3392** | 3 | WASHER-HARD (13.5X22.5X3MM THK) | |
| | 21 | 1 | **8T-4896** | 32 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 22 | 1 | **8T-5360** | 4 | WASHER (12X22.5X2.5MM THK) | |
| | 23 | 1 | **169-9119** | 1 | COVER | |
| | 24 | 1 | **8T-8916** | 4 | BOLT (7/16-14X1.5 IN) | |

Y-SEPARATE ILLUSTRATION

**160-5951 VALVE GP-CONTROL** *(contd.)* i01452707




GRAPHIC #1

g00681730

# *160-5952* VALVE GP-CONTROL

S/N: AKA1-UP

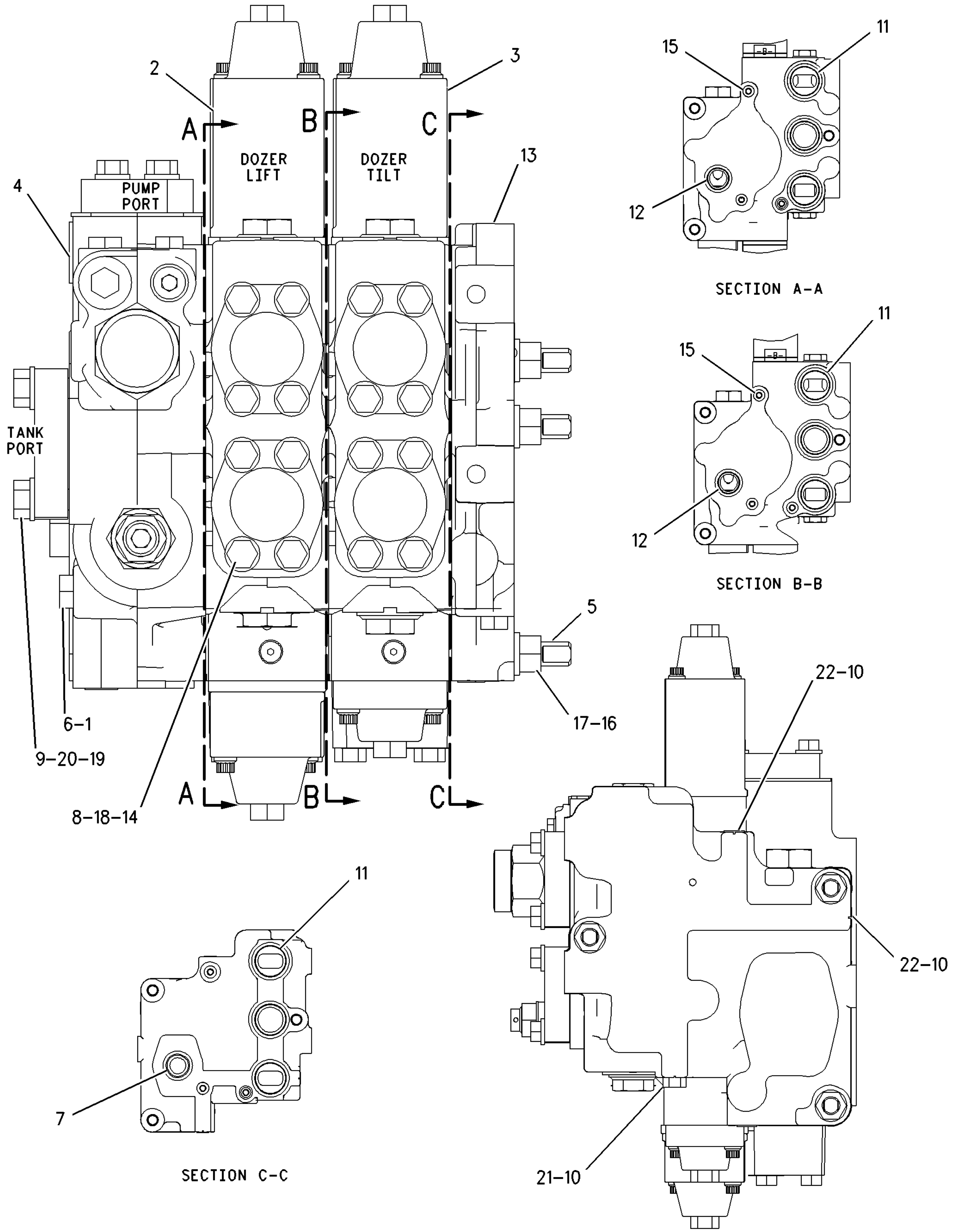
PART OF 157-0824 CONTROL AR-PILOT HYDRAULIC

SMCS-5051 i01439705

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-4191** | 1 | PLUG | |
| Y | 2 | 1 | **160-5953** | 1 | VALVE GP-CONTROL (DOZER LIFT) | 642 |
| Y | 3 | 1 | **160-5954** | 1 | VALVE GP-CONTROL (DOZER TILT) | 644 |
| Y | 4 | 1 | **163-0829** | 1 | MANIFOLD GP-INLET (DOZER/WINCH BANK VALVE) | 621 |
| | 5 | 1 | **164-7678** | 3 | ROD | |
| | 6 | 1 | **3J-1907** | 1 | SEAL-O-RING (11.89MM ID) | |
| | 7 | 1 | **1P-3702** | 1 | SEAL-RECTANGULAR | |
| | 8 | 1 | **1P-4577** | 8 | FLANGE-HALF | |
| | 9 | 1 | **1P-4578** | 2 | FLANGE-HALF | |
| | 10 | 1 | **3J-7354** | 3 | SEAL-O-RING (8.92MM ID) | |
| | 11 | 1 | **4J-0522** | 9 | SEAL-O-RING (37.69MM ID) | |
| | 12 | 1 | **4J-8997** | 2 | SEAL-O-RING (28.17MM ID) | |
| | 13 | 1 | **169-9119** | 1 | COVER | |
| | 14 | 1 | **5S-7382** | 16 | BOLT (3/8-16X1.375 IN) | |
| | 15 | 1 | **6V-5555** | 9 | SEAL-O-RING (7.52MM ID) | |
| | 16 | 1 | **6V-8188** | 3 | NUT (1/2-13 THD) | |
| | 17 | 1 | **7X-3392** | 3 | WASHER-HARD (13.5X22.5X3MM THK) | |
| | 18 | 1 | **8T-4896** | 16 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 19 | 1 | **8T-5360** | 4 | WASHER (12X22.5X2.5MM THK) | |
| | 20 | 1 | **8T-8916** | 4 | BOLT (7/16-14X1.5 IN) | |
| | 21 | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| | 22 | 1 | **9S-8002** | 2 | PLUG-O-RING | |

Y-SEPARATE ILLUSTRATION

*160-5952* **VALVE GP-CONTROL** ***(contd.)*** **i01439705**




GRAPHIC #1 g00663410

# *160-5953* VALVE GP-CONTROL

S/N: AKA1-UP

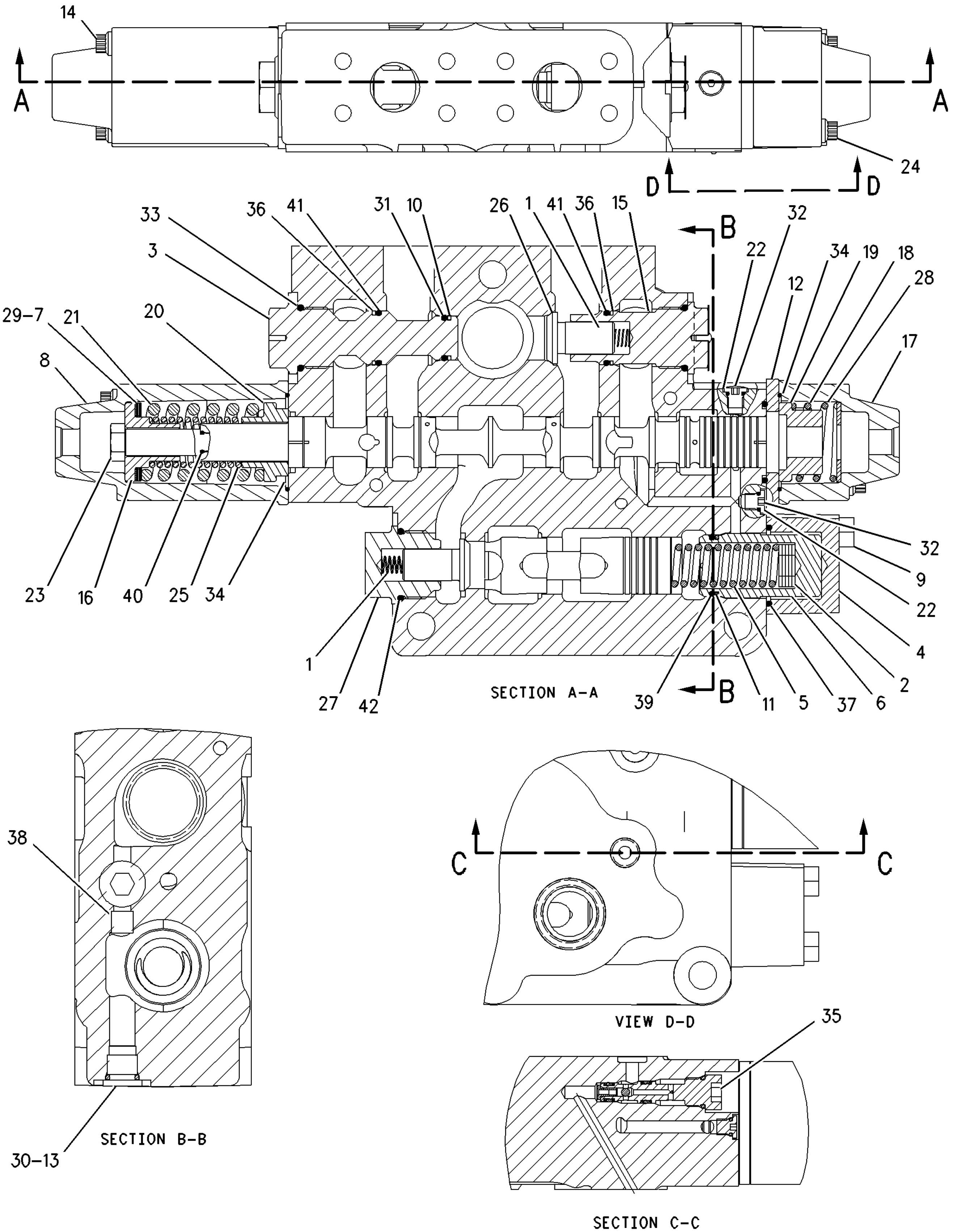
PART OF 160-5951, 160-5952, 160-8612 VALVE GP-CONTROL

SMCS-5051 i01439816

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2S-2596** | 2 | SPRING | |
| | 2 | 1 | **4B-4278** | 5 | WASHER (10.2X20.5X1.6MM THK) | |
| | 3 | 1 | **4T-1108** | 1 | PLUG | |
| | 4 | 1 | **4T-1649** | 1 | HOUSING | |
| | 5 | 1 | **4T-1701** | 1 | SPRING | |
| | 6 | 1 | **4T-4511** | 1 | SLEEVE | |
| B | 7 | 1 | **4T-4628** | 5 | SHIM (0.50MM THK) | |
| | 8 | 1 | **173-0511** | 1 | HOUSING | |
| | 9 | 1 | **8T-2501** | 2 | BOLT (3/8-16X2 IN) | |
| | 10 | 1 | **4T-5072** | 1 | RING-BACKUP | |
| | 11 | 1 | **4T-5074** | 1 | RING-BACKUP | |
| | 12 | 1 | **173-0515** | 1 | SPACER | |
| | 13 | 1 | **9S-8002** | 1 | PLUG-O-RING | |
| | 14 | 1 | **174-2043** | 2 | BOLT (5/16-18X4 IN) | |
| | 15 | 1 | **100-8012** | 1 | BODY | |
| | 16 | 1 | **153-7067** | 1 | RETAINER | |
| | 17 | 1 | **173-0512** | 1 | HOUSING | |
| | 18 | 1 | **153-7553** | 1 | SPRING | |
| | 19 | 1 | **153-7549** | 1 | RETAINER | |
| | 20 | 1 | **153-7550** | 1 | RETAINER | |
| | 21 | 1 | **170-4001** | 1 | SPRING | |
| | 22 | 1 | **9S-8001** | 2 | PLUG | |
| | 23 | 1 | **161-2685** | 1 | SCREW | |
| | 24 | 1 | **5P-6446** | 2 | BOLT-12 POINT HEAD (5/16-18X2 IN) | |
| | 25 | 1 | **164-0938** | 1 | SPRING | |
| | 26 | 1 | **100-8010** | 2 | VALVE | |
| | 27 | 1 | **100-8011** | 1 | PLUG (1 5/16-12 THD) | |
| | 28 | 1 | **163-5671** | 1 | WASHER (17X39X2MM THK) | |
| B | 29 | 1 | **2J-2866** | 3 | SHIM (0.12MM THK) | |
| | 30 | 1 | **3J-7354** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 31 | 1 | **4J-5351** | 1 | SEAL-O-RING (17.12MM ID) | |
| | 32 | 1 | **4J-7533** | 2 | SEAL-O-RING (6.07MM ID) | |
| | 33 | 1 | **4K-1388** | 2 | SEAL-O-RING (26.59MM ID) | |
| | 34 | 1 | **5K-0227** | 2 | SEAL-O-RING (44.17MM ID) | |
| Y | 35 | 1 | **4T-1860** | 1 | VALVE GP-SHUTTLE (BALL RESOLVER) | 669 |
| | 36 | 1 | **4T-5073** | 2 | RING-BACKUP | |
| | 37 | 1 | **5M-2057** | 2 | SEAL-O-RING (34.59MM ID) | |
| | 38 | 1 | **9J-8126** | 1 | PLUG-ORIFICE | |
| | 39 | 1 | **6V-5556** | 1 | SEAL-O-RING (25.07MM ID) | |
| | 40 | 1 | **7J-0204** | 1 | SEAL-O-RING (7.65MM ID) | |
| | 41 | 1 | **7J-9933** | 2 | SEAL-O-RING (21.89MM ID) | |
| | 42 | 1 | **7M-8485** | 1 | SEAL-O-RING (29.74MM ID) | |

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

*160-5953* **VALVE GP-CONTROL** ***(contd.)*** **i01439816**




GRAPHIC #1

g00663078

## *160-5954* VALVE GP-CONTROL

**S/N: AKA1-UP**

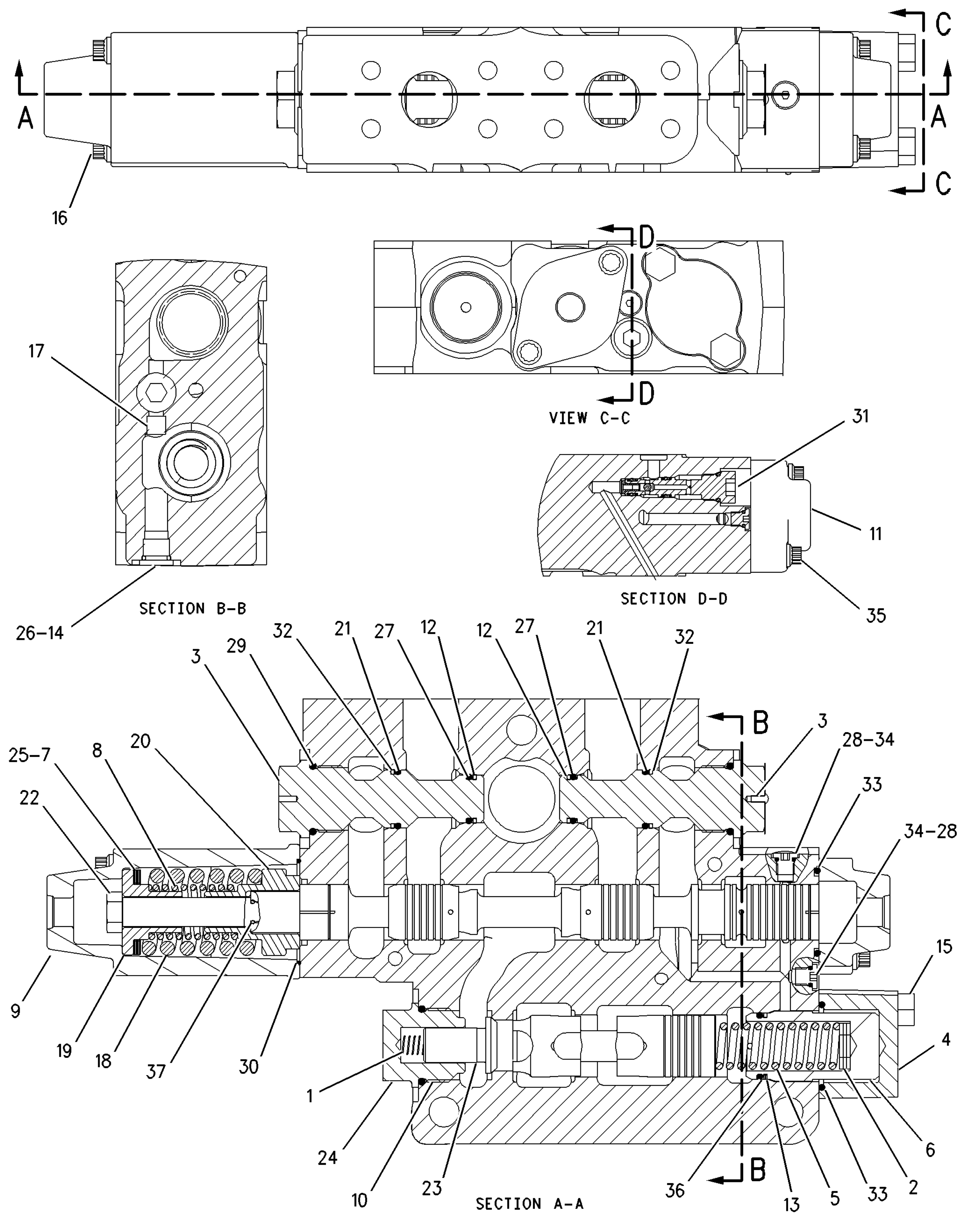
**PART OF 160-5951, 160-5952, 160-8612 VALVE GP-CONTROL**

**SMCS-5051** **i01439930**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2S-2596** | 1 | SPRING | |
| | 2 | 1 | **4B-4278** | 3 | WASHER (10.2X20.5X1.6MM THK) | |
| | 3 | 1 | **4T-1108** | 2 | PLUG | |
| | 4 | 1 | **4T-1649** | 1 | HOUSING | |
| | 5 | 1 | **4T-1701** | 1 | SPRING | |
| | 6 | 1 | **4T-4511** | 1 | SLEEVE | |
| B | 7 | 1 | **4T-4628** | 6 | SHIM (0.50MM THK) | |
| | 8 | 1 | **4T-4631** | 1 | SPRING | |
| | 9 | 1 | **173-0511** | 1 | HOUSING | |
| | 10 | 1 | **7M-8485** | 1 | SEAL-O-RING (29.74MM ID) | |
| | 11 | 1 | **173-0514** | 1 | COVER | |
| | 12 | 1 | **4T-5072** | 2 | RING-BACKUP | |
| | 13 | 1 | **4T-5074** | 1 | RING-BACKUP | |
| | 14 | 1 | **9S-8002** | 1 | PLUG-O-RING | |
| | 15 | 1 | **8T-2501** | 2 | BOLT (3/8-16X2 IN) | |
| | 16 | 1 | **174-2043** | 2 | BOLT (5/16-18X4 IN) | |
| | 17 | 1 | **9J-8126** | 1 | PLUG-ORIFICE | |
| | 18 | 1 | **153-6976** | 1 | SPRING | |
| | 19 | 1 | **153-7067** | 1 | RETAINER | |
| | 20 | 1 | **153-7551** | 1 | RETAINER | |
| | 21 | 1 | **7J-9933** | 2 | SEAL-O-RING (21.89MM ID) | |
| | 22 | 1 | **161-2684** | 1 | SCREW (3/8-24X2.87 IN) | |
| | 23 | 1 | **100-8010** | 1 | VALVE | |
| | 24 | 1 | **100-8011** | 1 | PLUG (1 5/16-12 THD) | |
| B | 25 | 1 | **2J-2866** | 2 | SHIM (0.12MM THK) | |
| | 26 | 1 | **3J-7354** | 1 | SEAL-O-RING (8.92MM ID) | |
| | 27 | 1 | **4J-5351** | 2 | SEAL-O-RING (17.12MM ID) | |
| | 28 | 1 | **4J-7533** | 2 | SEAL-O-RING (6.07MM ID) | |
| | 29 | 1 | **4K-1388** | 2 | SEAL-O-RING (26.59MM ID) | |
| | 30 | 1 | **5K-0227** | 1 | SEAL-O-RING (44.17MM ID) | |
| Y | 31 | 1 | **4T-1860** | 1 | VALVE GP-SHUTTLE (BALL RESOLVER) | 669 |
| | 32 | 1 | **4T-5073** | 2 | RING-BACKUP | |
| | 33 | 1 | **5M-2057** | 2 | SEAL-O-RING (34.59MM ID) | |
| | 34 | 1 | **9S-8001** | 2 | PLUG | |
| | 35 | 1 | **1T-0414** | 2 | BOLT-12 POINT HEAD (5/16-18X1 IN) | |
| | 36 | 1 | **6V-5556** | 1 | SEAL-O-RING (25.07MM ID) | |
| | 37 | 1 | **7J-0204** | 1 | SEAL-O-RING (7.65MM ID) | |

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

*160-5954* **VALVE GP-CONTROL** ***(contd.)*** **i01439930**




GRAPHIC #1 g00663155

# *160-8612* VALVE GP-CONTROL

**S/N: AKA1-UP**

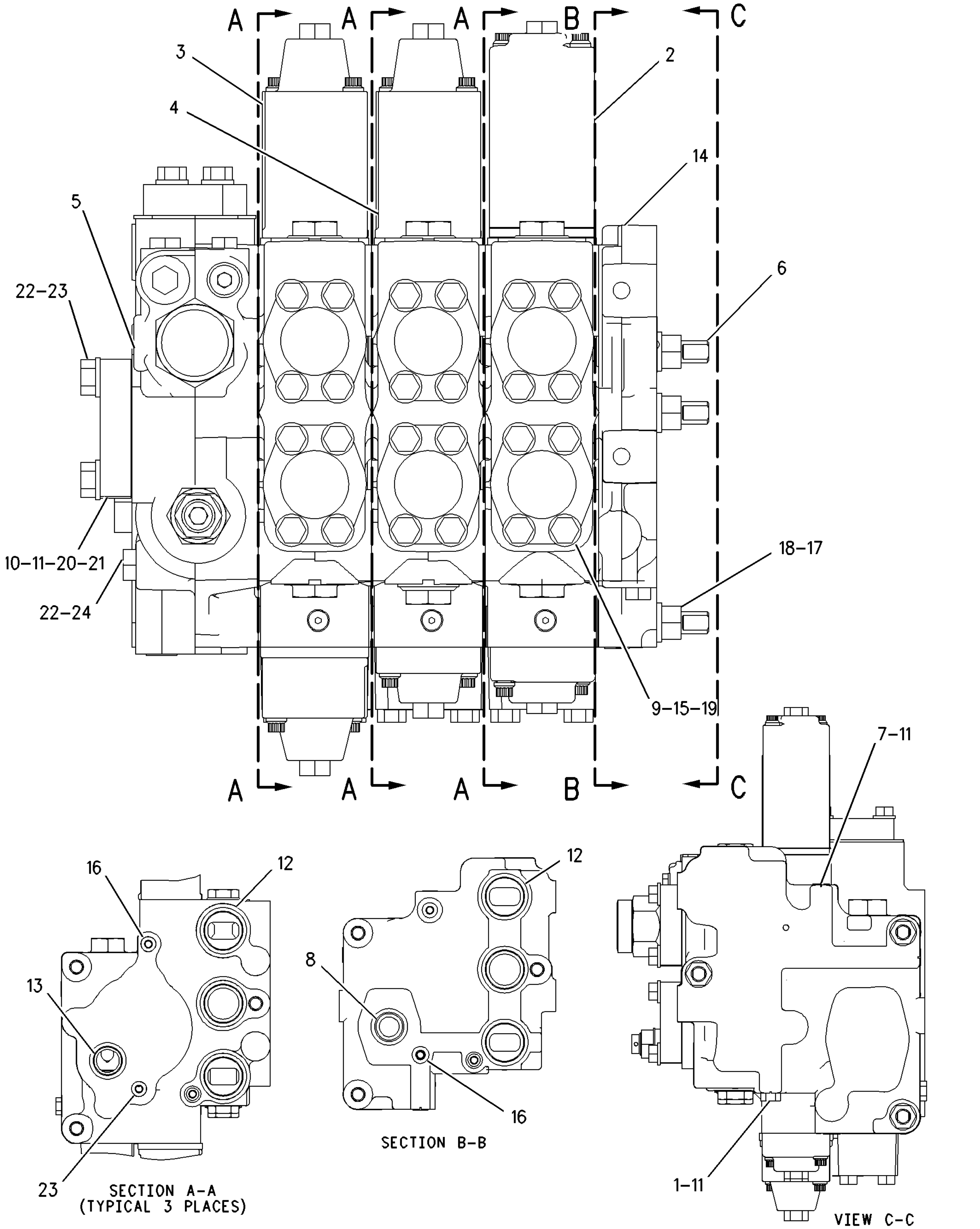
**PART OF 160-5560 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5051** **i01488955**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| Y | 2 | 1 | **124-2906** | 1 | VALVE GP-CONTROL (WINCH) | 636 |
| Y | 3 | 1 | **160-5953** | 1 | VALVE GP-CONTROL (DOZER LIFT) | 642 |
| Y | 4 | 1 | **160-5954** | 1 | VALVE GP-CONTROL (DOZER TILT) | 644 |
| Y | 5 | 1 | **163-0829** | 1 | MANIFOLD GP-INLET (DOZER/WINCH BANK VALVE) | 621 |
| | 6 | 1 | **164-7677** | 3 | ROD | |
| | 7 | 1 | **9S-8002** | 2 | PLUG-O-RING | |
| | 8 | 1 | **1P-3702** | 1 | SEAL-RECTANGULAR | |
| | 9 | 1 | **1P-4577** | 12 | FLANGE-HALF | |
| | 10 | 1 | **1P-4578** | 2 | FLANGE-HALF | |
| | 11 | 1 | **3J-7354** | 3 | SEAL-O-RING | |
| | 12 | 1 | **4J-0522** | 12 | SEAL-O-RING | |
| | 13 | 1 | **4J-8997** | 3 | SEAL-O-RING | |
| | 14 | 1 | **169-9119** | 1 | COVER | |
| | 15 | 1 | **5S-7382** | 24 | BOLT (3/8-16X1.375 IN) | |
| | 16 | 1 | **6V-5555** | 11 | SEAL-O-RING | |
| | 17 | 1 | **6V-8188** | 3 | NUT (1/2-13 THD) | |
| | 18 | 1 | **7X-3392** | 3 | WASHER-HARD (13.5X22.5X3MM THK) | |
| | 19 | 1 | **8T-4896** | 24 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 20 | 1 | **8T-5360** | 4 | WASHER (12X22.5X2.5MM THK) | |
| | 21 | 1 | **8T-8916** | 4 | BOLT (7/16-14X1.5 IN) | |
| | 22 | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 23 | 1 | **6V-0913** | 1 | SEAL-O-RING | |
| | 24 | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |

Y-SEPARATE ILLUSTRATION

*160-8612* **VALVE GP-CONTROL** ***(contd.)*** **i01488955**




GRAPHIC #1

g00674035

# HYDRAULIC SYSTEM

## *169-3323* VALVE GP-CONTROL

**S/N: AKA1-UP**

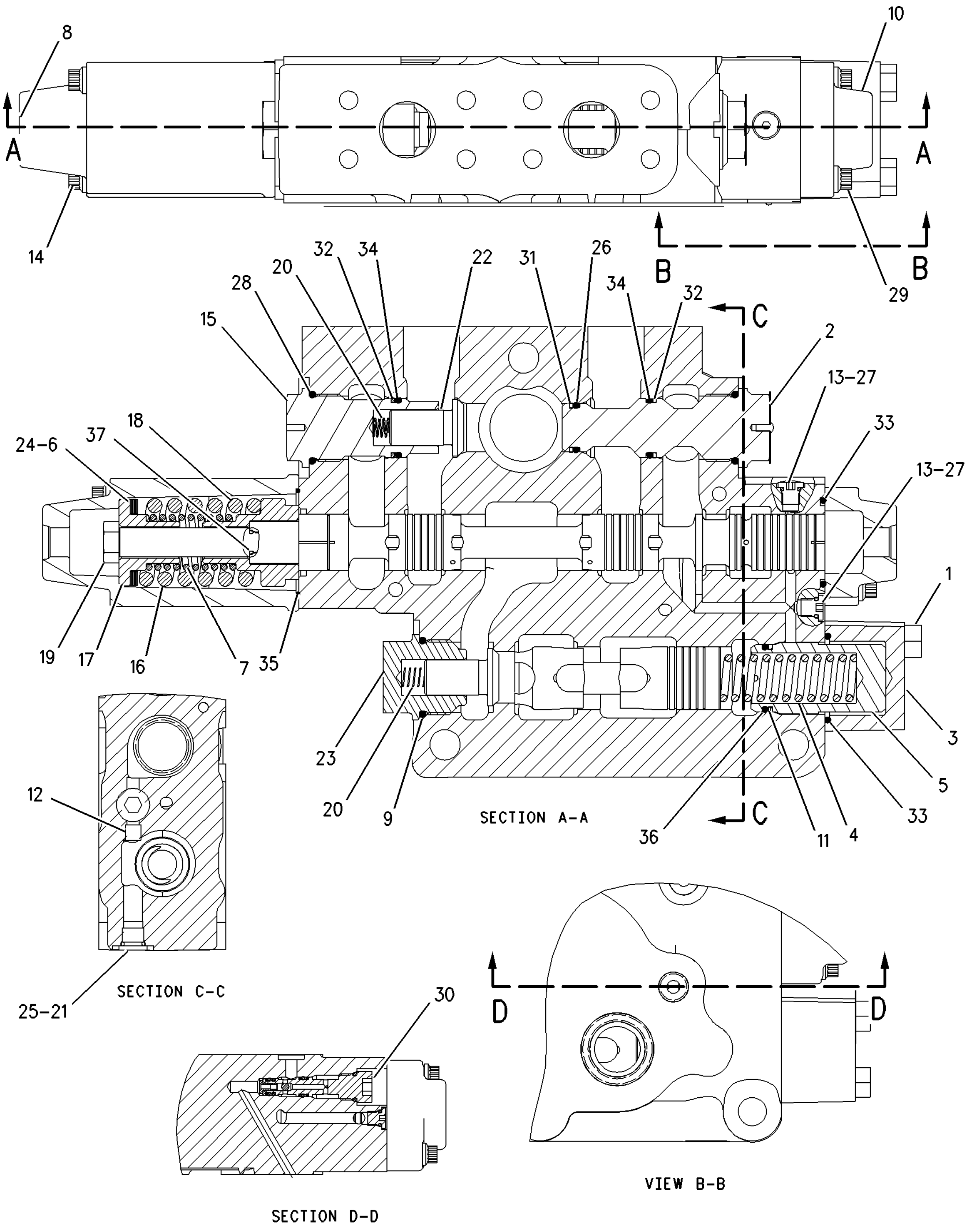
**PART OF 160-5951 VALVE GP-CONTROL**

**SMCS-5051** **i01452734**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8T-2501** | 2 | BOLT (3/8-16X2 IN) | |
| | 2 | 1 | **4T-1108** | 1 | PLUG | |
| | 3 | 1 | **4T-1649** | 1 | HOUSING | |
| | 4 | 1 | **4T-1701** | 1 | SPRING | |
| | 5 | 1 | **4T-4511** | 1 | SLEEVE | |
| | 6 | 1 | **4T-4628** | 6 | SHIM (0.50MM THK) | |
| | 7 | 1 | **4T-4631** | 1 | SPRING | |
| | 8 | 1 | **173-0511** | 1 | HOUSING | |
| | 9 | 1 | **7M-8485** | 1 | SEAL-O-RING | |
| | 10 | 1 | **173-0514** | 1 | COVER | |
| | 11 | 1 | **4T-5074** | 1 | RING-BACKUP | |
| | 12 | 1 | **9J-8126** | 1 | PLUG-ORIFICE | |
| | 13 | 1 | **9S-8001** | 2 | PLUG | |
| | 14 | 1 | **174-2043** | 2 | BOLT (5/16-18X4 IN) | |
| | 15 | 1 | **100-8012** | 1 | BODY | |
| | 16 | 1 | **153-6976** | 1 | SPRING | |
| | 17 | 1 | **153-7067** | 1 | RETAINER | |
| | 18 | 1 | **153-7551** | 1 | RETAINER | |
| | 19 | 1 | **161-2684** | 1 | SCREW (3/8-24X2.87 IN) | |
| | 20 | 1 | **2S-2596** | 2 | SPRING | |
| | 21 | 1 | **9S-8002** | 1 | PLUG-O-RING | |
| | 22 | 1 | **100-8010** | 2 | VALVE | |
| | 23 | 1 | **100-8011** | 1 | PLUG | |
| B | 24 | 1 | **2J-2866** | 2 | SHIM (0.12MM THK) | |
| | 25 | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | 26 | 1 | **4J-5351** | 1 | SEAL-O-RING | |
| | 27 | 1 | **4J-7533** | 2 | SEAL-O-RING | |
| | 28 | 1 | **4K-1388** | 2 | SEAL-O-RING | |
| | 29 | 1 | **1T-0414** | 2 | BOLT-12 POINT HEAD (5/16-18X1 IN) | |
| Y | 30 | 1 | **4T-1860** | 1 | VALVE GP-SHUTTLE (BALL RESOLVER) | 669 |
| | 31 | 1 | **4T-5072** | 1 | RING-BACKUP | |
| | 32 | 1 | **4T-5073** | 2 | RING-BACKUP | |
| | 33 | 1 | **5M-2057** | 2 | SEAL-O-RING | |
| | 34 | 1 | **7J-9933** | 2 | SEAL-O-RING | |
| | 35 | 1 | **5K-0227** | 1 | SEAL-O-RING | |
| | 36 | 1 | **6V-5556** | 1 | SEAL-O-RING | |
| | 37 | 1 | **7J-0204** | 1 | SEAL-O-RING | |

B-USE AS REQUIRED
Y-SEPARATE ILLUSTRATION

*169-3323* **VALVE GP-CONTROL** ***(contd.)*** **i01452734**




GRAPHIC #1 g00660492

# 162-0162 VALVE GP-MANIFOLD & REDUCING

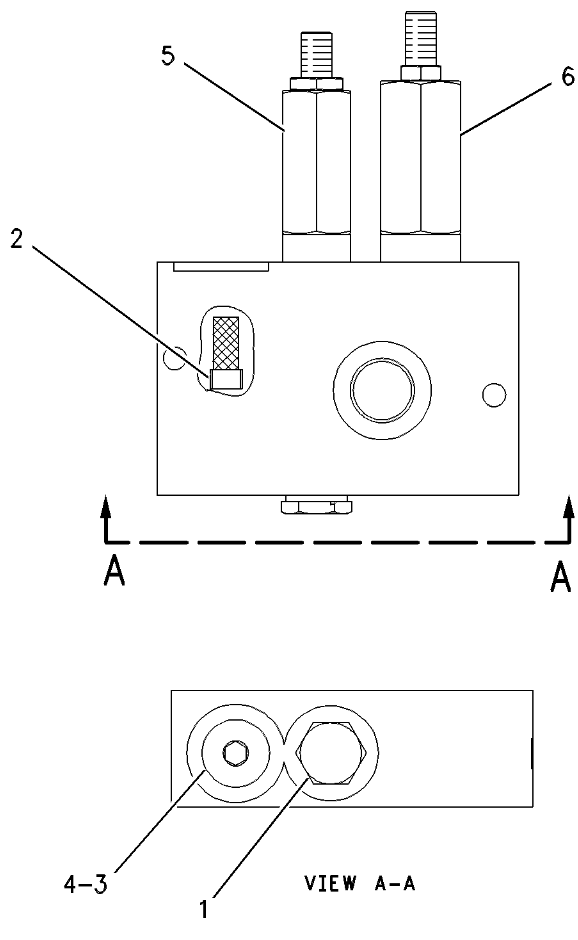
S/N: AKA1-UP

PART OF 157-7329, 157-8029, 161-1014 LINES GP-PILOT

SMCS-3206 i01452672

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **158-9956** | 1 | VALVE-CHECK | |
| | 2 | 1 | **6E-5066** | 1 | SCREEN | |
| | 3 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 4 | 1 | **9S-8005** | 1 | PLUG | |
| Y | 5 | 1 | **170-3357** | 1 | VALVE GP-PRESSURE REDUCING | 663 |
| Y | 6 | 1 | **170-3360** | 1 | VALVE GP-RELIEF | 668 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00637822

# MEMORANDA

## *159-9549* VALVE GP-PILOT

**S/N: AKA1-UP**

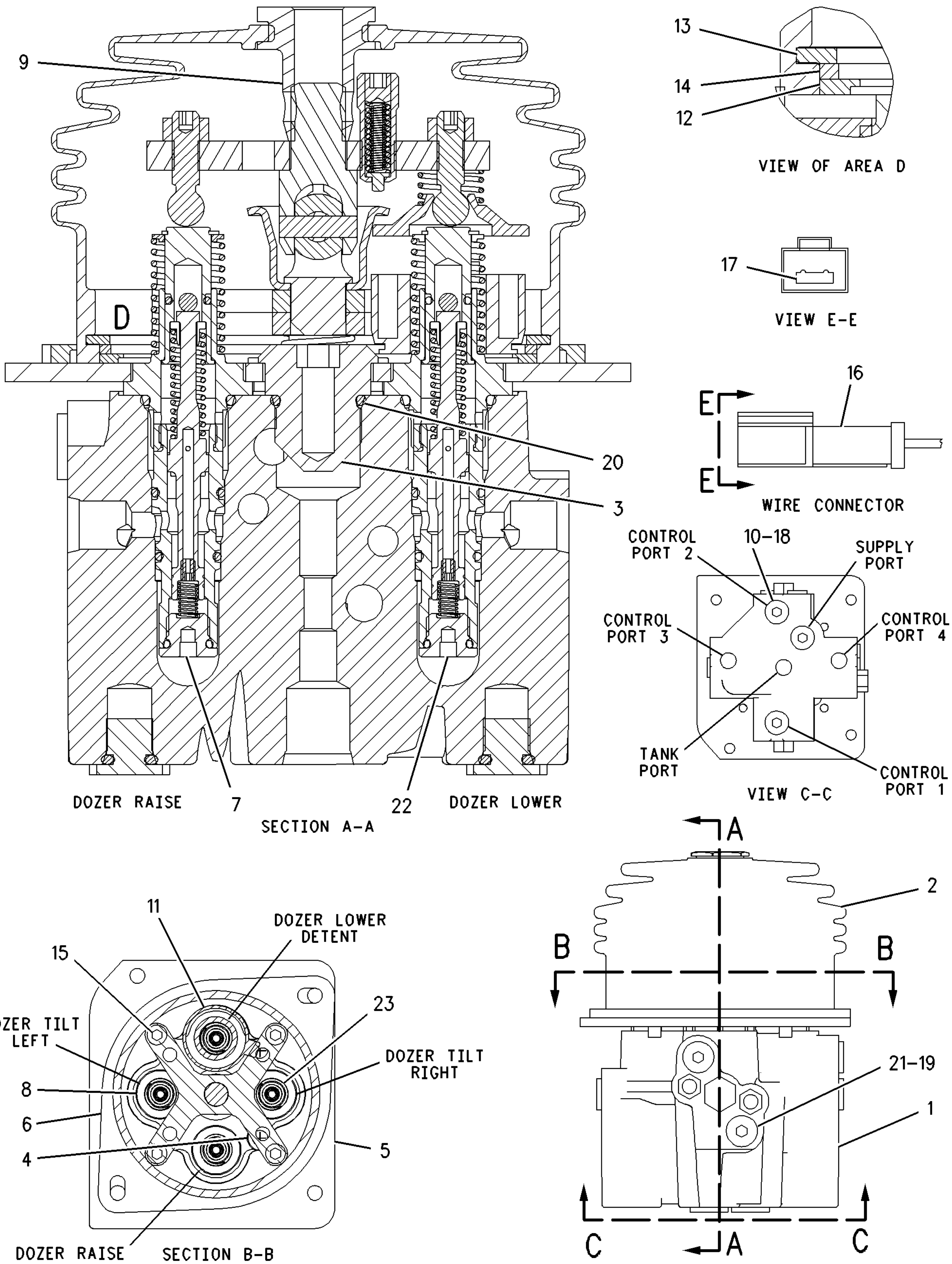
**PART OF 157-7331 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5059** **i01488880**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Z | 1 | 1 | | 1 | BODY | |
| | 2 | 1 | **141-4852** | 1 | BOOT | |
| | 3 | 1 | **145-2334** | 1 | ADAPTER | |
| | 4 | 1 | **163-5512** | 2 | GROMMET | |
| | 5 | 1 | **163-9308** | 1 | PLATE | |
| | 6 | 1 | **180-6152** | 1 | RETAINER | |
| Y | 7 | 1 | **194-5032** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER RAISE) | 660 |
| Y | 8 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER TILT LEFT) | 661 |
| | 9 | 1 | **197-7947** | 1 | LEVER AS | |
| | | 1 | **146-6315** | 1 | PIN | |
| | | 1 | **4I-7837** | 6 | BALL | |
| | | 1 | **146-6317** | 1 | WASHER | |
| | | 1 | **159-3781** | 1 | SPRING | |
| M | | 1 | **5C-2890** | 4 | NUT (M6X1 THD) | |
| | | 1 | **199-6609** | 1 | SPACER | |
| | 10 | 1 | **9S-8004** | 3 | PLUG | |
| | 11 | 1 | **199-4147** | 1 | COIL AS | |
| BD | | 1 | **6V-2689** | | TUBE-SHRINKABLE | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 12 | 1 | **136-9297** | 1 | PLATE | |
| | 13 | 1 | **136-9298** | 1 | RETAINER | |
| | 14 | 1 | **149-5470** | 1 | PLATE | |
| M | 15 | 1 | **191-8921** | 4 | BOLT-SOCKET HEAD (M6X1X25MM) | |
| | 16 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 17 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | 18 | 1 | **3J-1907** | 3 | SEAL-O-RING | |
| | 19 | 1 | **3J-7354** | 5 | SEAL-O-RING | |
| | 20 | 1 | **8L-2786** | 1 | SEAL-O-RING | |
| | 21 | 1 | **9S-8002** | 5 | PLUG-O-RING | |
| Y | 22 | 1 | **194-5032** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER LOWER) | 660 |
| Y | 23 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER TILT RIGHT) | 661 |

B-USE AS REQUIRED
D-ORDER BY THE METER
M-METRIC PART
Y-SEPARATE ILLUSTRATION
Z-NOT SERVICED SEPARATELY

*159-9549* **VALVE GP-PILOT** ***(contd.)*** **i01488880**




GRAPHIC #1

g00769418

# *160-0766* VALVE GP-PILOT

**S/N: AKA1-UP**

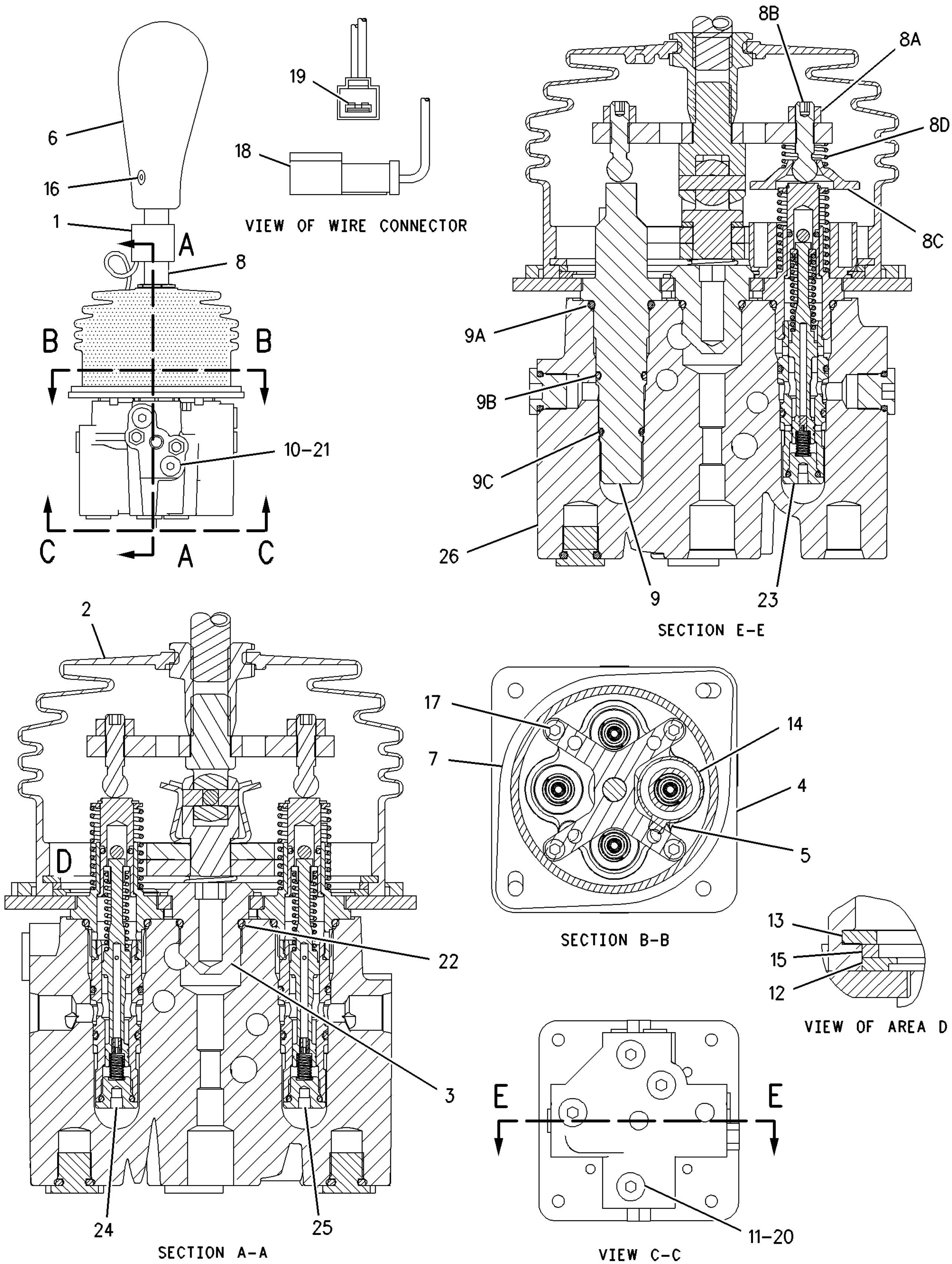
**PART OF 160-5560 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5059** **i01502057**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **201-3304** | | CONDUIT (5CM) | |
| | 2 | 1 | **141-4852** | 1 | BOOT | |
| | 3 | 1 | **145-2334** | 1 | ADAPTER | |
| | 4 | 1 | **160-0752** | 1 | PLATE | |
| | 5 | 1 | **163-5512** | 2 | GROMMET | |
| | 6 | 1 | **164-9657** | 1 | HANDLE GP-CONTROL (WINCH) | |
| | | 1 | **8T-8730** | 2 | SOCKET-CONNECTOR | |
| | | 1 | **155-2261** | 2 | WEDGE-PLUG LOCK (2 PIN) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 7 | 1 | **180-6152** | 1 | RETAINER | |
| | 8 | 1 | **188-2892** | 1 | LEVER AS-GATE | |
| M | 8A | 1 | **5C-2890** | 4 | NUT (M6X1 THD) | |
| | 8B | 1 | **146-6315** | 4 | PIN | |
| | 8C | 1 | **146-6317** | 1 | WASHER | |
| | 8D | 1 | **159-3781** | 1 | SPRING | |
| | 9 | 1 | **194-5031** | 1 | PLUNGER AS | |
| | 9A | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 9B | 1 | **4K-2039** | 1 | SEAL-O-RING | |
| | 9C | 1 | **6M-5062** | 1 | SEAL-O-RING | |
| | 10 | 1 | **9S-8002** | 5 | PLUG-O-RING | |
| | 11 | 1 | **9S-8004** | 4 | PLUG | |
| | 12 | 1 | **136-9297** | 1 | PLATE | |
| | 13 | 1 | **136-9298** | 1 | RETAINER | |
| | 14 | 1 | **137-9755** | 1 | COIL AS | |
| BD | | 1 | **6V-2689** | | TUBE-SHRINKABLE | |
| | | 1 | **186-3735** | 2 | PIN-CONNECTOR | |
| | 15 | 1 | **149-5470** | 1 | PLATE | |
| M | 16 | 1 | **150-1293** | 2 | SCREW-BUTTON HEAD (M4X0.7X12MM) | |
| M | 17 | 1 | **191-8921** | 4 | BOLT-SOCKET HEAD (M6X1X25MM) | |
| | 18 | 1 | **102-8802** | 2 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (EACH INCLUDES RECEPTACLE AS & WEDGE) | |
| | 19 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | 20 | 1 | **3J-1907** | 4 | SEAL-O-RING | |
| | 21 | 1 | **3J-7354** | 5 | SEAL-O-RING | |
| | 22 | 1 | **8L-2786** | 1 | SEAL-O-RING | |
| Y | 23 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (WINCH-FREE SPOOL) | 661 |
| Y | 24 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (WINCH SPOOL-OUT) | 661 |
| Y | 25 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (WINCH SPOOL-IN) | 661 |
| Z | 26 | 1 | | 1 | BODY | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART
Y-SEPARATE ILLUSTRATION
Z-NOT SERVICED SEPARATELY

*160-0766* **VALVE GP-PILOT** ***(contd.)*** **i01502057**




GRAPHIC #1

g00764294

# 184-5321 VALVE GP-PILOT

S/N: AKA1-UP

PART OF 157-7331 CONTROL AR-PILOT HYDRAULIC

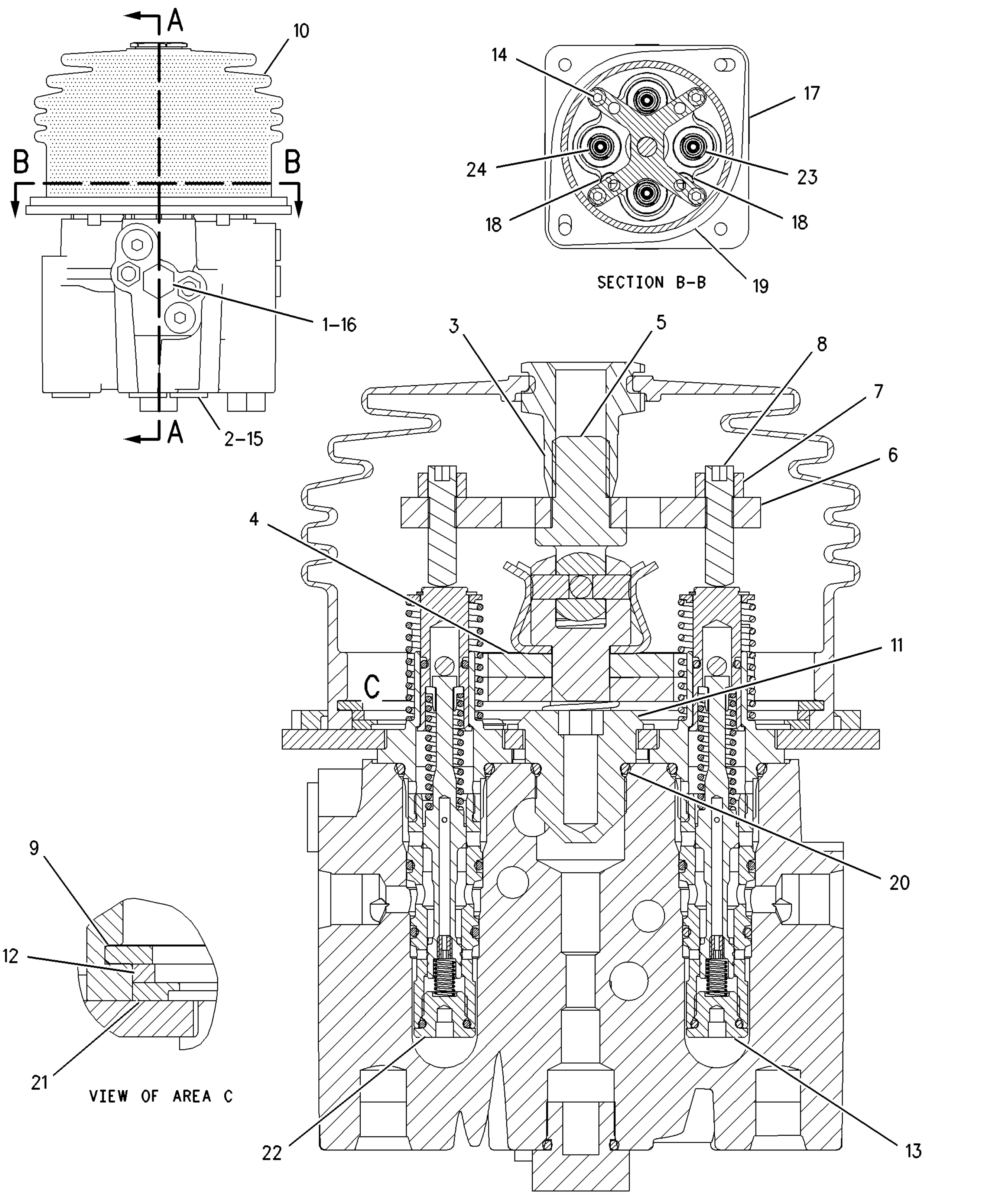
SMCS-5059 i01452745

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-8002** | 4 | PLUG-O-RING | |
| | 2 | 1 | **9S-8004** | 4 | PLUG | |
| | 3 | 1 | **188-2893** | 1 | LEVER AS-GATE | |
| | 4 | 1 | **180-7475** | 1 | PLATE AS | |
| | 5 | 1 | **180-7477** | 1 | SWIVEL AS | |
| | 6 | 1 | **188-2890** | 1 | PLATE AS | |
| M | 7 | 1 | **5C-2890** | 4 | NUT (M6X1 THD) | |
| M | 8 | 1 | **178-7877** | 4 | SETSCREW | |
| | 9 | 1 | **136-9298** | 1 | RETAINER | |
| | 10 | 1 | **141-4852** | 1 | BOOT | |
| | 11 | 1 | **145-2334** | 1 | ADAPTER | |
| | 12 | 1 | **149-5470** | 1 | PLATE | |
| Y | 13 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (RIPPER TIP-IN) | 661 |
| M | 14 | 1 | **191-8921** | 4 | BOLT-SOCKET HEAD (M6X1X25MM) | |
| | 15 | 1 | **3J-1907** | 4 | SEAL-O-RING | |
| | 16 | 1 | **3J-7354** | 4 | SEAL-O-RING | |
| | 17 | 1 | **160-0752** | 1 | PLATE | |
| | 18 | 1 | **163-5512** | 2 | GROMMET | |
| | 19 | 1 | **180-6152** | 1 | RETAINER | |
| | 20 | 1 | **8L-2786** | 1 | SEAL-O-RING | |
| | 21 | 1 | **136-9297** | 1 | PLATE | |
| Y | 22 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (RIPPER TIP-OUT) | 661 |
| Y | 23 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (RIPPER LOWER) | 661 |
| Y | 24 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (RIPPER LIFT) | 661 |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

## 184-5321 VALVE GP-PILOT *(contd.)*

i01452745




GRAPHIC #1

g00726875

# HYDRAULIC SYSTEM

## *200-0189* VALVE GP-PILOT

**S/N: AKA1-UP**

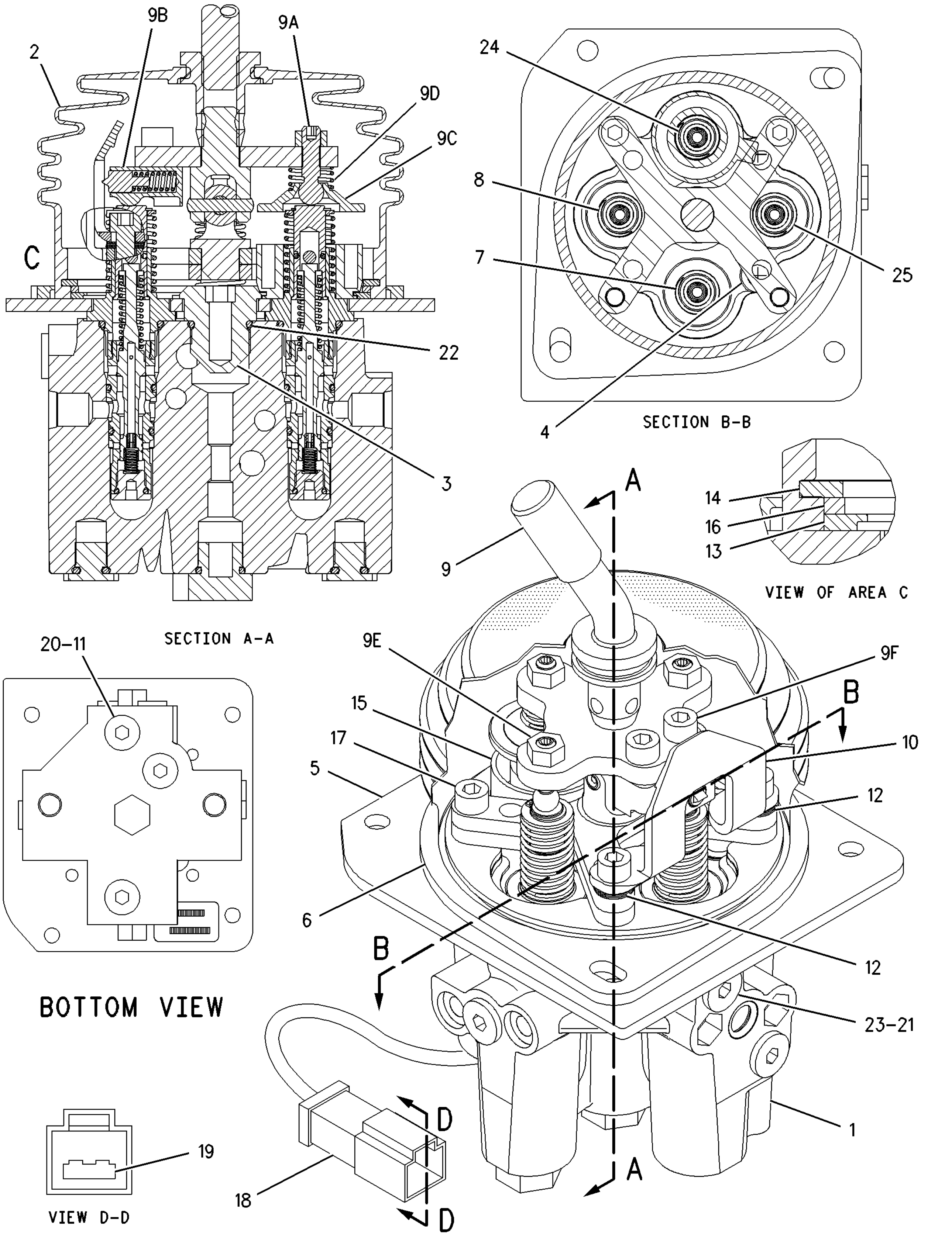
**PART OF 157-0824, 160-5560 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5059** **i01487122**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Z | 1 | 1 | | 1 | BODY | |
| | 2 | 1 | **141-4852** | 1 | BOOT | |
| | 3 | 1 | **145-2334** | 1 | ADAPTER | |
| | 4 | 1 | **163-5512** | 2 | GROMMET | |
| | 5 | 1 | **163-9308** | 1 | PLATE | |
| | 6 | 1 | **180-6152** | 1 | RETAINER | |
| Y | 7 | 1 | **194-5032** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER RAISE) | 660 |
| Y | 8 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER TILT LEFT) | 661 |
| | 9 | 1 | **196-5515** | 1 | LEVER AS | |
| | 9A | 1 | **146-6315** | 3 | PIN | |
| | 9B | 1 | **199-7834** | 1 | DETENT AS | |
| | | 1 | **199-7830** | 1 | DETENT | |
| | | 1 | **8S-7499** | 2 | PIN-SPRING | |
| | | 1 | **202-0599** | 1 | SPRING | |
| | 9C | 1 | **146-6317** | 1 | WASHER | |
| | 9D | 1 | **159-3781** | 1 | SPRING | |
| M | 9E | 1 | **5C-2890** | 3 | NUT (M6X1 THD) | |
| M | 9F | 1 | **191-8920** | 2 | BOLT-SOCKET HEAD (M6X1X12MM) | |
| | 10 | 1 | **199-7833** | 1 | PLATE | |
| | 11 | 1 | **9S-8004** | 3 | PLUG | |
| | 12 | 1 | **200-5003** | 8 | SHIM (0.25MM THK) | |
| | 13 | 1 | **136-9297** | 1 | PLATE | |
| | 14 | 1 | **136-9298** | 1 | RETAINER | |
| | 15 | 1 | **137-9755** | 1 | COIL AS | |
| BD | | 1 | **6V-2689** | | TUBE-SHRINKABLE | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 16 | 1 | **149-5470** | 1 | PLATE | |
| M | 17 | 1 | **191-8921** | 4 | BOLT-SOCKET HEAD (M6X1X25MM) | |
| | 18 | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 19 | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | 20 | 1 | **3J-1907** | 3 | SEAL-O-RING | |
| | 21 | 1 | **3J-7354** | 5 | SEAL-O-RING | |
| | 22 | 1 | **8L-2786** | 1 | SEAL-O-RING | |
| | 23 | 1 | **9S-8002** | 5 | PLUG-O-RING | |
| Y | 24 | 1 | **194-5032** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER LOWER) | 660 |
| Y | 25 | 1 | **194-5033** | 1 | VALVE GP-PILOT CARTRIDGE (DOZER TILT RIGHT) | 661 |

B-USE AS REQUIRED
D-ORDER BY THE METER
M-METRIC PART
Y-SEPARATE ILLUSTRATION
Z-NOT SERVICED SEPARATELY

*200-0189* **VALVE GP-PILOT** ***(contd.)*** **i01487122**




GRAPHIC #1

g00767886

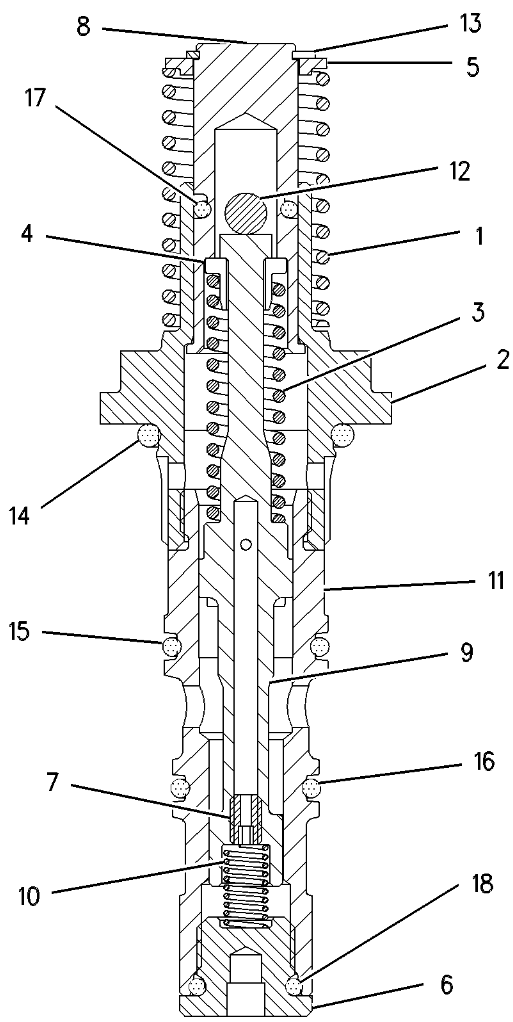
## *194-5032* VALVE GP-PILOT CARTRIDGE

S/N: AKA1-UP

PART OF 159-9549, 200-0189 VALVE GP-PILOT

SMCS-5059 i01439589

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **157-2153** | 1 | SPRING | |
| | 2 | 1 | **136-9304** | 1 | ADAPTER | |
| | 3 | 1 | **145-8707** | 1 | SPRING | |
| | 4 | 1 | **146-6316** | 2 | RETAINER | |
| | 5 | 1 | **146-6319** | 1 | RETAINER | |
| | 6 | 1 | **153-8925** | 1 | STOP | |
| | 7 | 1 | **116-4527** | 1 | ORIFICE | |
| | 8 | 1 | **146-6318** | 1 | PLUNGER | |
| | 9 | 1 | **191-3029** | 1 | SPOOL | |
| | 10 | 1 | **153-8926** | 1 | SPRING | |
| | 11 | 1 | **191-3028** | 1 | CAGE | |
| | 12 | 1 | **1M-6718** | 1 | BALL | |
| | 13 | 1 | **2H-3429** | 1 | RING-RETAINING | |
| | 14 | 1 | **3K-0360** | 1 | SEAL-O-RING (16.36MM ID) | |
| | 15 | 1 | **4K-2039** | 1 | SEAL-O-RING (12.42MM ID) | |
| | 16 | 1 | **6M-5062** | 1 | SEAL-O-RING (10.82MM ID) | |
| | 17 | 1 | **7I-6601** | 1 | SEAL-O-RING (6.73MM ID) | |
| | 18 | 1 | **7J-0204** | 1 | SEAL-O-RING (7.65MM ID) | |




GRAPHIC #1

g00577903

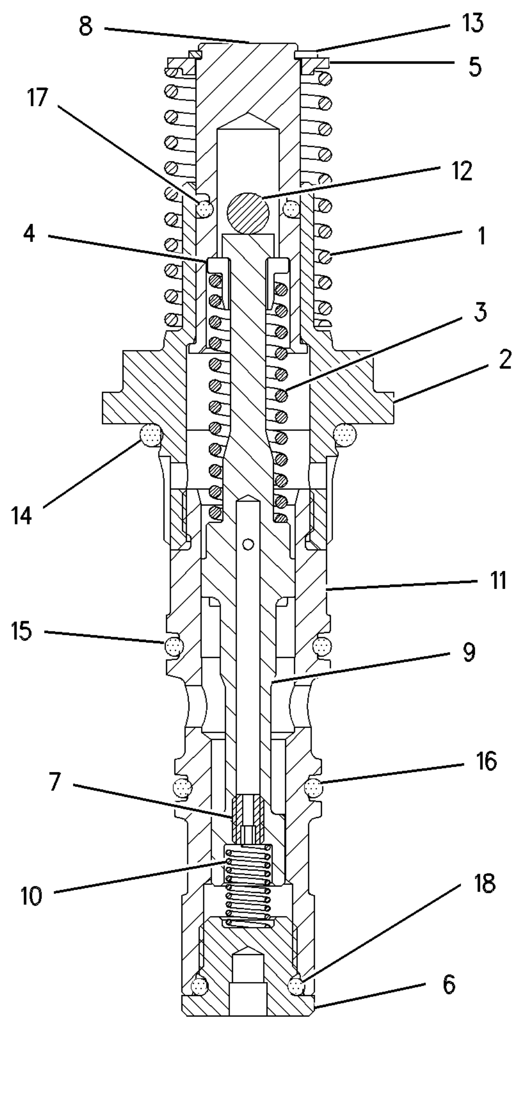
# *194-5033* VALVE GP-PILOT CARTRIDGE

**S/N: AKA1-UP**

**PART OF 159-9549, 160-0766, 184-5321, 200-0189 VALVE GP-PILOT**

**SMCS-5059** **i01439601**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **157-2153** | 1 | SPRING | |
| | 2 | 1 | **136-9304** | 1 | ADAPTER | |
| | 3 | 1 | **141-5151** | 1 | SPRING | |
| | 4 | 1 | **146-6316** | 2 | RETAINER | |
| | 5 | 1 | **146-6319** | 1 | RETAINER | |
| | 6 | 1 | **153-8925** | 1 | STOP | |
| | 7 | 1 | **116-4527** | 1 | ORIFICE | |
| | 8 | 1 | **146-6318** | 1 | PLUNGER | |
| | 9 | 1 | **191-3029** | 1 | SPOOL | |
| | 10 | 1 | **153-8926** | 1 | SPRING | |
| | 11 | 1 | **191-3028** | 1 | CAGE | |
| | 12 | 1 | **1M-6718** | 1 | BALL | |
| | 13 | 1 | **2H-3429** | 1 | RING-RETAINING | |
| | 14 | 1 | **3K-0360** | 1 | SEAL-O-RING (16.36MM ID) | |
| | 15 | 1 | **4K-2039** | 1 | SEAL-O-RING (12.42MM ID) | |
| | 16 | 1 | **6M-5062** | 1 | SEAL-O-RING (10.82MM ID) | |
| | 17 | 1 | **7I-6601** | 1 | SEAL-O-RING (6.73MM ID) | |
| | 18 | 1 | **7J-0204** | 1 | SEAL-O-RING (7.65MM ID) | |




GRAPHIC #1

g00577903

# 6E-6044 VALVE GP-PRESS & FLOW CMPNSTR

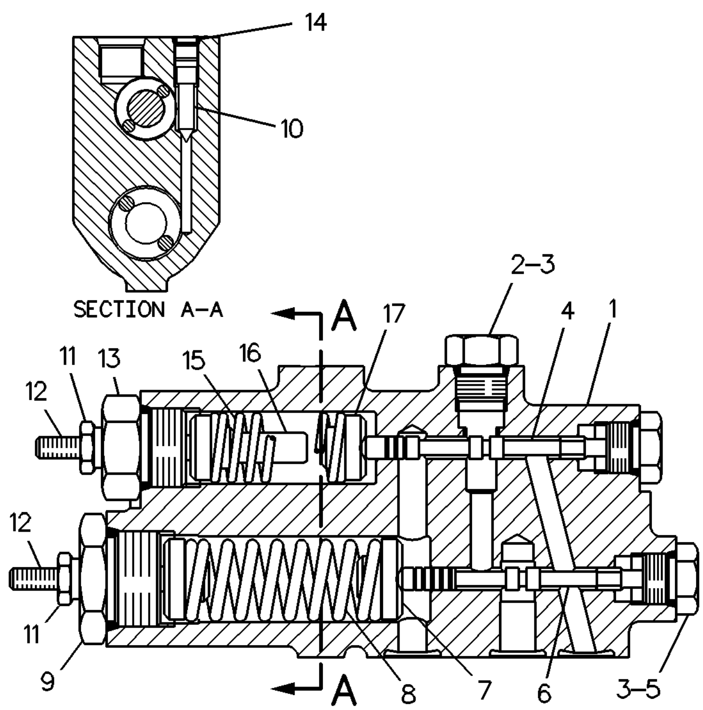
**S/N: AKA1-UP**

**PART OF 9T-8346 PUMP GP-PISTON**

**SMCS-5086** **i01040075**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **108-4814** | 1 | BODY-COMPENSATOR | |
| | 2 | 1 | **9S-4191** | 1 | PLUG-O-RING (9/16-18 THD) | |
| | 3 | 1 | **3J-1907** | 3 | SEAL-O-RING (11.89MM ID) | |
| | 4 | 1 | **6E-4241** | 1 | SPOOL-MARGIN | |
| | 5 | 1 | **9T-2186** | 2 | PLUG | |
| | 6 | 1 | **6E-4239** | 1 | SPOOL-CUTOFF | |
| | 7 | 1 | **6E-4230** | 2 | GUIDE-SPRING | |
| | 8 | 1 | **6E-4228** | 1 | SPRING-CUTOFF | |
| | 9 | 1 | **6E-6140** | 1 | PLUG-COMPENSATOR | |
| | | 1 | **033-6036** | 1 | SEAL-O-RING (23.47MM ID) | |
| | 10 | 1 | **6E-6420** | 1 | VALVE-NEEDLE | |
| | 11 | 1 | **6E-6141** | 2 | LOCKNUT-SEALING | |
| M | 12 | 1 | **129-7632** | 2 | SCREW-ADJUSTMENT | |
| | 13 | 1 | **6E-6142** | 1 | PLUG-MARGIN | |
| | | 1 | **033-6027** | 1 | SEAL-O-RING (19.18MM ID) | |
| | 14 | 1 | **6E-6419** | 1 | RING | |
| | | 1 | **9X-7680** | 1 | SEAL-O-RING | |
| | 15 | 1 | **6E-4246** | 1 | SPRING-MARGIN | |
| | 16 | 1 | **6E-4318** | 1 | PIN-SPRING STOP | |
| | 17 | 1 | **6E-4242** | 2 | GUIDE-SPRING | |

M-METRIC PART




GRAPHIC #1

g00227058

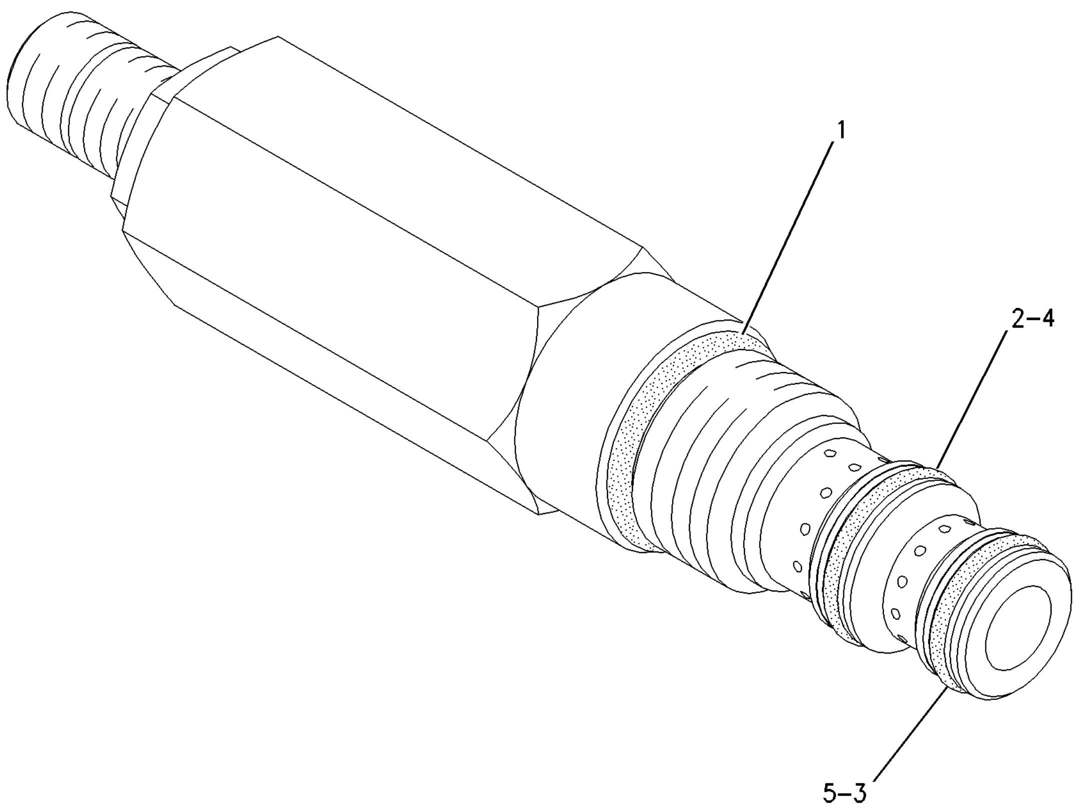
# 170-3357 VALVE GP-PRESSURE REDUCING

S/N: AKA1-UP

PART OF 162-0162 VALVE GP-MANIFOLD & REDUCING

SMCS-5117 i01452696

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | 2 | 1 | **161-6149** | 1 | SEAL-O-RING | |
| | 3 | 1 | **095-1750** | 1 | SEAL-O-RING | |
| | 4 | 1 | **161-6161** | 2 | RING-BACKUP | |
| | 5 | 1 | **187-0541** | 2 | RING-BACKUP | |




GRAPHIC #1 g00777733

# 109-6942 VALVE GP-QUICK-DROP

S/N: AKA1-UP

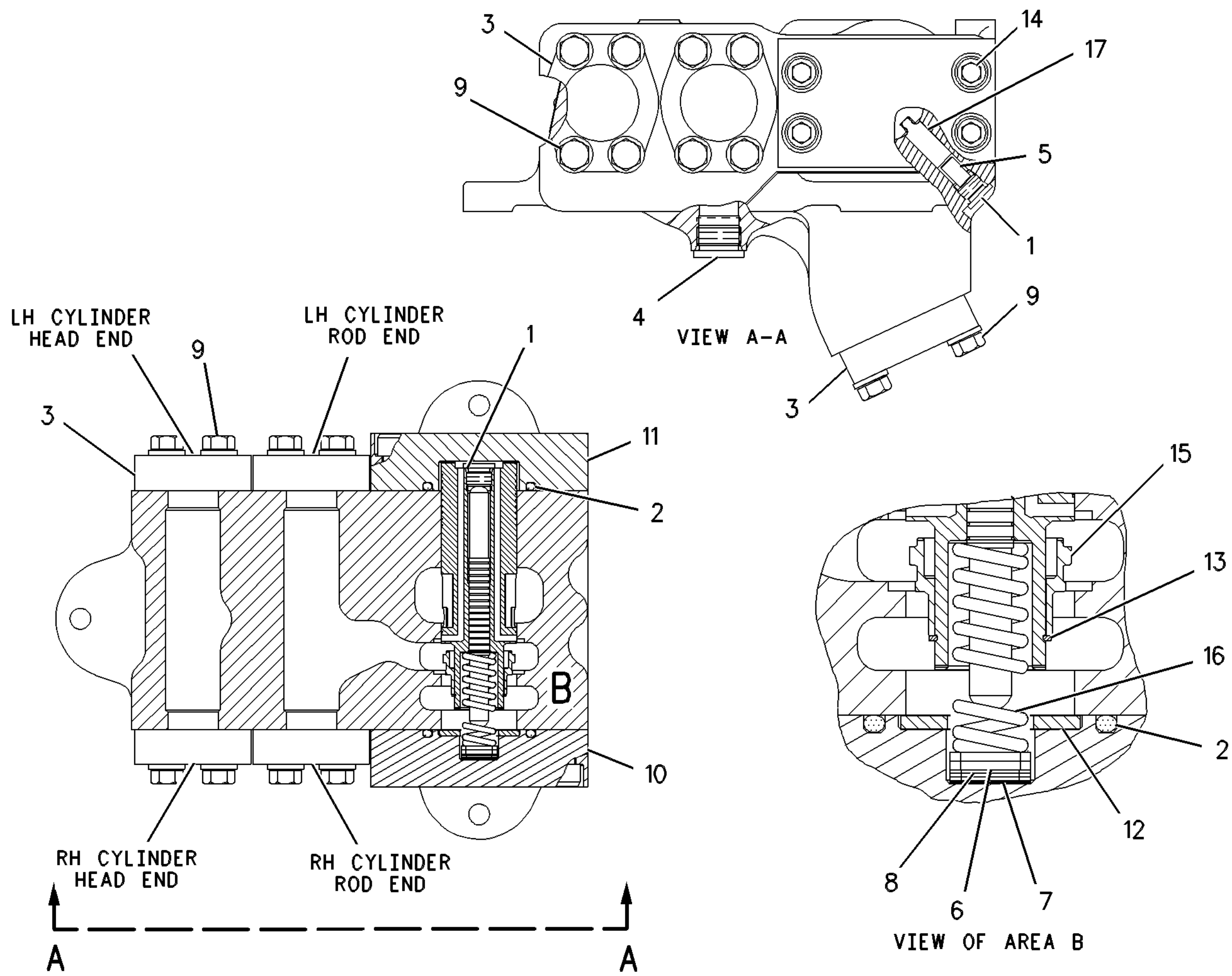
PART OF 157-7324 LINES GP-BULLDOZER MANIFOLD

SMCS-5110 i01140715

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9S-8003** | 2 | PLUG-O-RING (1/2-20 THD) | |
| | | 1 | **1J-9671** | 2 | SEAL-O-RING (10.52MM ID) | |
| | 2 | 1 | **1P-3706** | 2 | SEAL (57.9MM ID) | |
| | 3 | 1 | **1P-4577** | 12 | FLANGE-HALF | |
| | 4 | 1 | **9S-8006** | 1 | PLUG-O-RING (7/8-14 THD) | |
| | | 1 | **2M-9780** | 1 | SEAL-O-RING (19.18MM ID) | |
| | 5 | 1 | **3L-3813** | 1 | PIN | |
| B | 6 | 1 | **083-7784** | 2 | SHIM (2.0MM THK) | |
| B | 7 | 1 | **4M-6980** | 3 | SHIM (.25MM THK) | |
| B | 8 | 1 | **4T-4659** | 3 | SHIM (.80MM THK) | |
| | 9 | 1 | **5S-7382** | 24 | BOLT (3/8-16X34.92) | |
| | | 1 | **8T-4896** | 24 | WASHER-HARD (2.5MM THK) | |
| | 10 | 1 | **6E-4532** | 1 | COVER | |
| | 11 | 1 | **6E-4533** | 1 | COVER | |
| | 12 | 1 | **6E-4907** | 1 | STOP | |
| | 13 | 1 | **6K-8162** | 1 | RING-RETAINING | |
| | 14 | 1 | **7B-7525** | 8 | BOLT-SOCKET HEAD (7/16-14X1.25IN) | |
| | 15 | 1 | **9T-9836** | 1 | SLEEVE-ORIFICE | |
| | 16 | 1 | **108-1847** | 1 | SPRING | |
| | 17 | 1 | **100-6211** | 1 | PISTON | |

B-USE AS REQUIRED

**109-6942 VALVE GP-QUICK-DROP** *(contd.)* **i01140715**




GRAPHIC #1 g00604229

# 4T-4935 VALVE GP-RELIEF

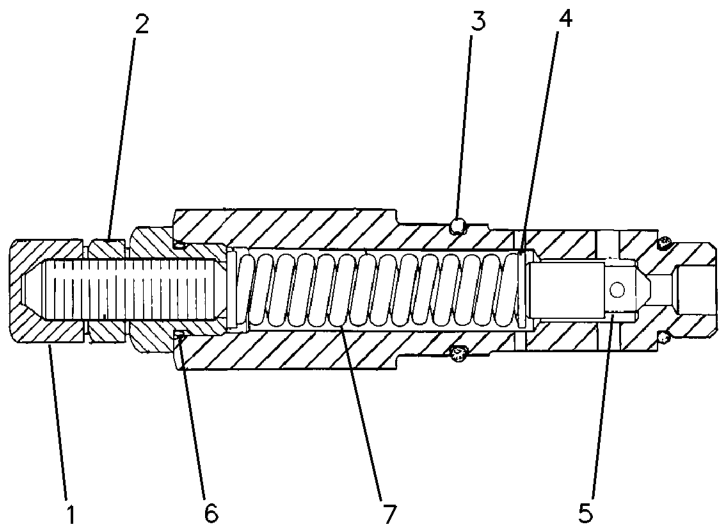
S/N: AKA1-UP

DIRECT OPERATED

PART OF 163-0829 MANIFOLD GP-INLET

SMCS-5069, 5117 i00131002

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6E-1835** | 1 | RETAINER AS | |
| | 2 | 1 | **9X-6395** | 1 | NUT-ORFS (3/4-16 THD) | |
| | 3 | 1 | **7J-9933** | 1 | SEAL-O-RING (21.89MM ID) | |
| | 4 | 1 | **4T-7571** | 1 | PLATE | |
| | 5 | 1 | **6J-6439** | 1 | VALVE | |
| | 6 | 1 | **3K-0360** | 2 | SEAL-O-RING (16.36MM ID) | |
| | 7 | 1 | **4T-4942** | 1 | SPRING | |




GRAPHIC #1 g00082648

## 104-7574 VALVE GP-RELIEF

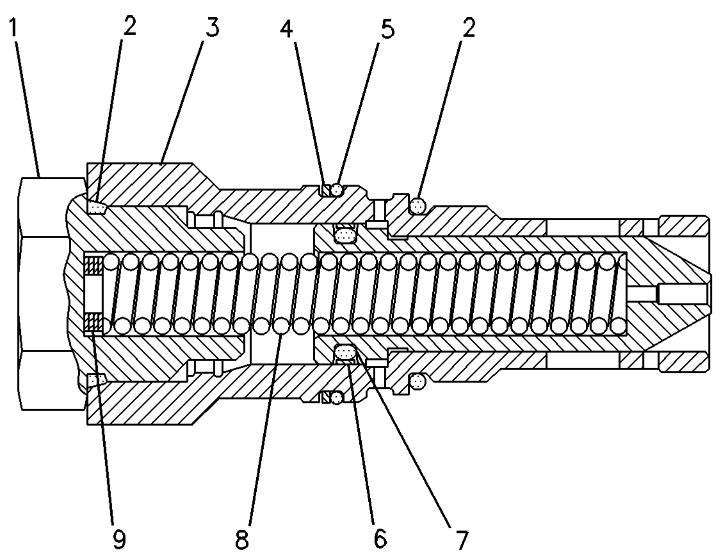
**S/N: AKA1-UP**

**PART OF 163-0829 MANIFOLD GP-INLET**

**SMCS-5069, 5117** **i00569772**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **106-3922** | 1 | PLUG | |
| | 2 | 1 | **7M-8485** | 2 | SEAL-O-RING (29.74MM ID) | |
| | 3 | 1 | **4T-1009** | 1 | VALVE GP | |
| | 4 | 1 | **4T-5075** | 1 | RING-BACKUP | |
| | 5 | 1 | **6V-5393** | 1 | SEAL-O-RING | |
| | 6 | 1 | **4T-1011** | 1 | RING-SEAL | |
| | 7 | 1 | **5F-7054** | 1 | SEAL-O-RING (18.6MM ID) | |
| | 8 | 1 | **4T-1005** | 1 | SPRING | |
| B | 9 | 1 | **5S-7001** | 4 | SPACER (.91MM THK) | |

B-USE AS REQUIRED




GRAPHIC #1 g00233165

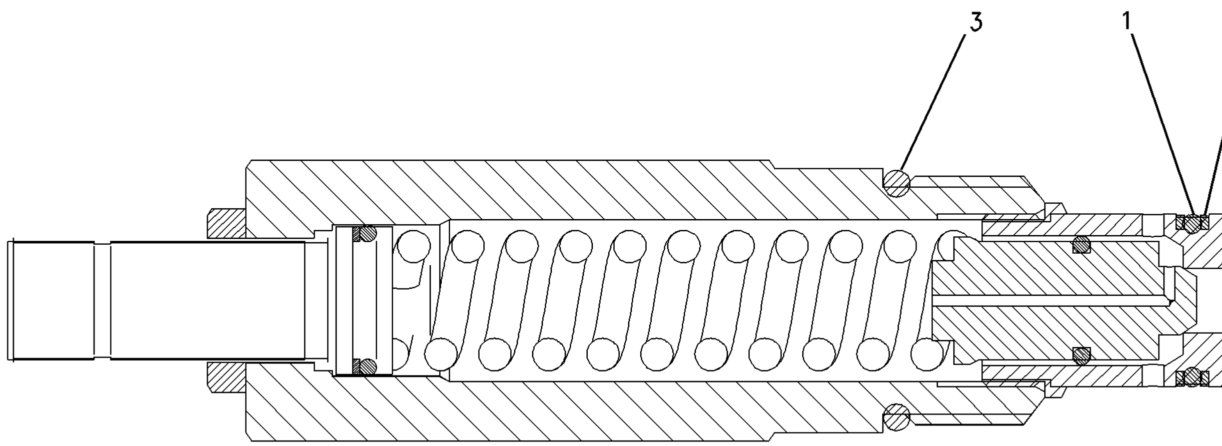
## *170-3360* VALVE GP-RELIEF

**S/N: AKA1-UP**

**PART OF 162-0162 VALVE GP-MANIFOLD & REDUCING**

**SMCS-5069, 5117** **i01452700**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **161-6149** | 1 | SEAL-O-RING | |
| | 2 | 1 | **161-6161** | 2 | RING-BACKUP | |
| | 3 | 1 | **2M-9780** | 1 | SEAL-O-RING | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **133-5545** | 1 | KIT-SEAL | |




GRAPHIC #1

g00732207

# 4T-1860 VALVE GP-SHUTTLE

**S/N: AKA1-UP**

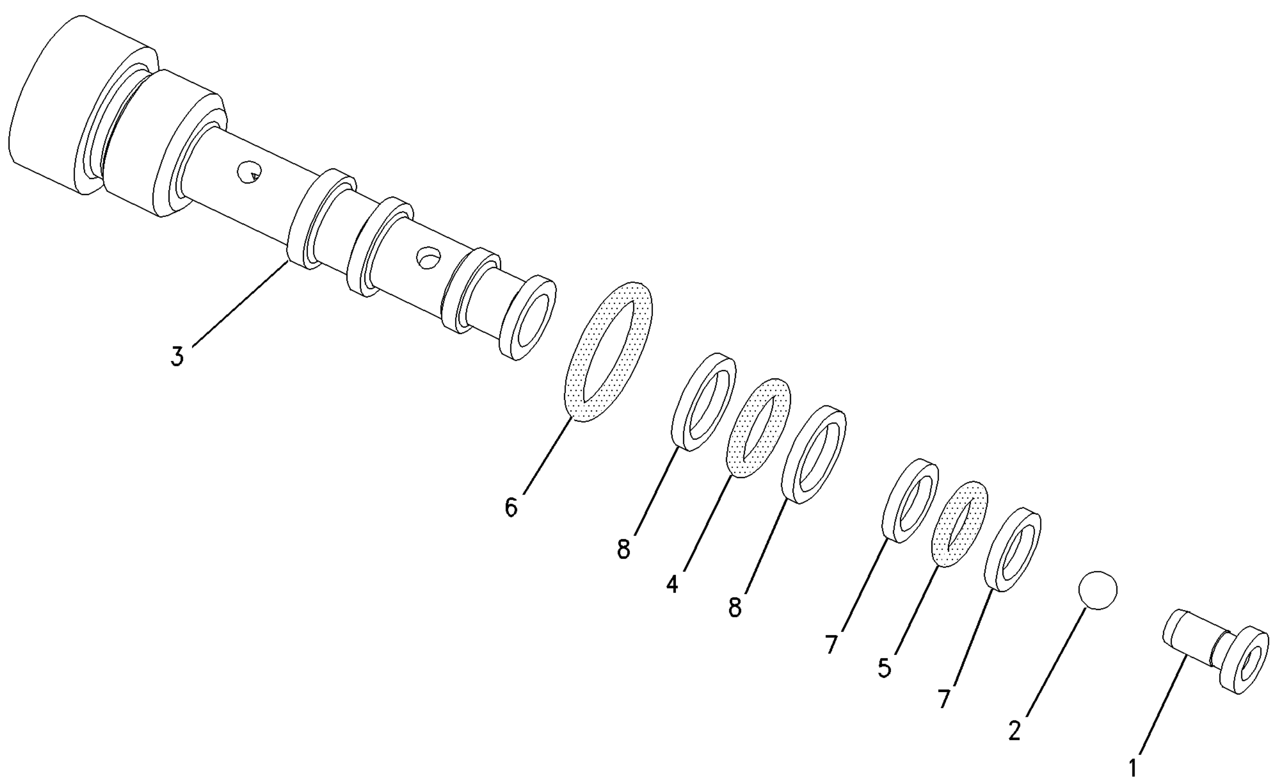
**BALL RESOLVER**

**PART OF 124-2906, 160-5953, 160-5954, 169-3323 VALVE GP-CONTROL**

**SMCS-5079** **i01502182**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Z | 1 | 1 | | 1 | SEAT | |
| | 2 | 1 | **1M-6718** | 1 | BALL | |
| Z | 3 | 1 | | 1 | VALVE | |
| | 4 | 1 | **8C-3085** | 1 | SEAL-O-RING | |
| | 5 | 1 | **6V-5586** | 1 | SEAL-O-RING | |
| | 6 | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | 7 | 1 | **4T-5070** | 2 | RING-BACKUP | |
| | 8 | 1 | **4T-5071** | 2 | RING-BACKUP | |

Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00775006

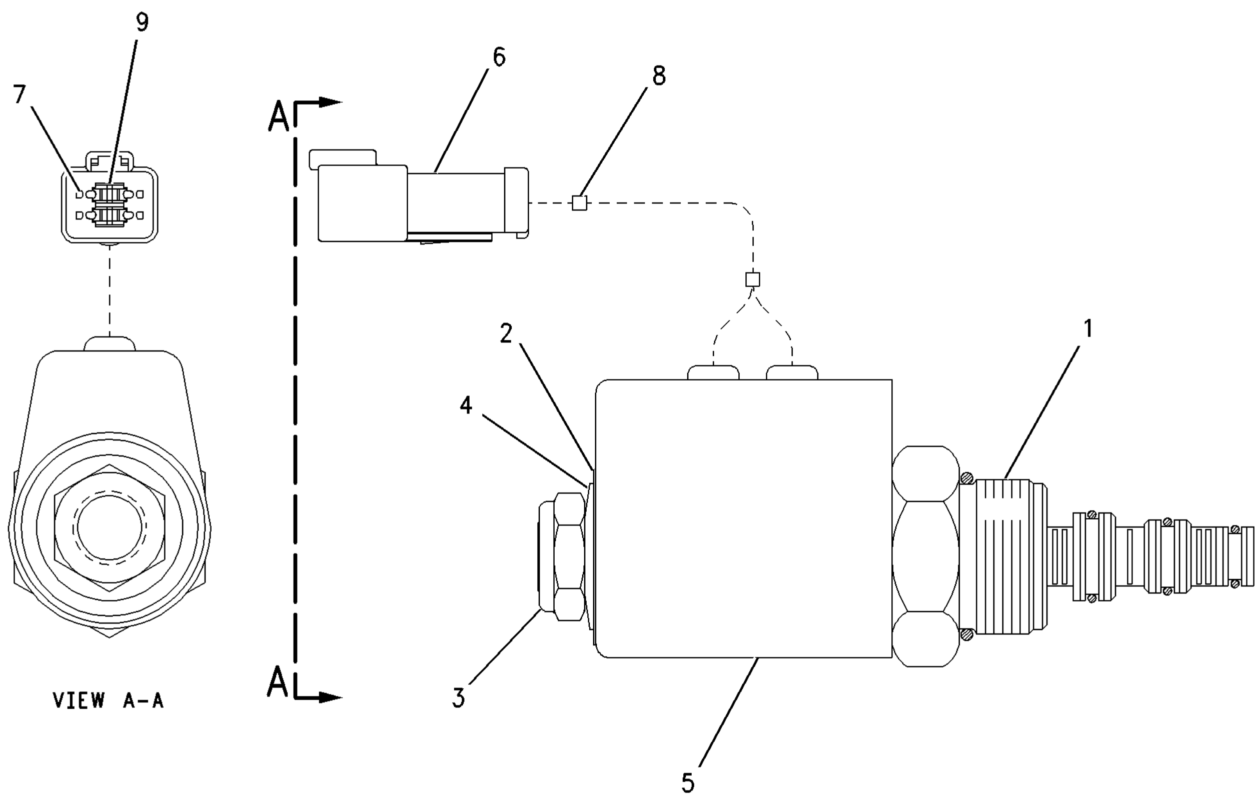
# *3E-8575* VALVE GP-SOLENOID

**S/N: AKA1-UP**

**PART OF 188-6140 VALVE & MTG GP-CONTROL**

**SMCS-5479** **i01488918**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6T-3382** | 1 | CARTRIDGE AS | |
| | 2 | 1 | **160-5843** | 1 | WASHER-IDENTIFICATION | |
| | 3 | 1 | **157-2284** | 1 | LOCKNUT-SPECIAL (5/8-18 THD) | |
| | 4 | 1 | **160-5844** | 1 | SPRING-BELLEVILLE | |
| | 5 | 1 | **3E-8581** | 1 | COIL AS | |
| | 6 | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 7 | 1 | **186-3735** | 4 | PIN-CONNECTOR | |
| | 8 | 1 | **1S-9593** | 2 | STRAP-CABLE | |
| | 9 | 1 | **3E-3377** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **126-5948** | 1 | KIT-SEAL | |
| | | | | | (INCLUDES SEALS & RINGS) | |




GRAPHIC #1 g00623320

## 3E-9205 VALVE GP-SOLENOID

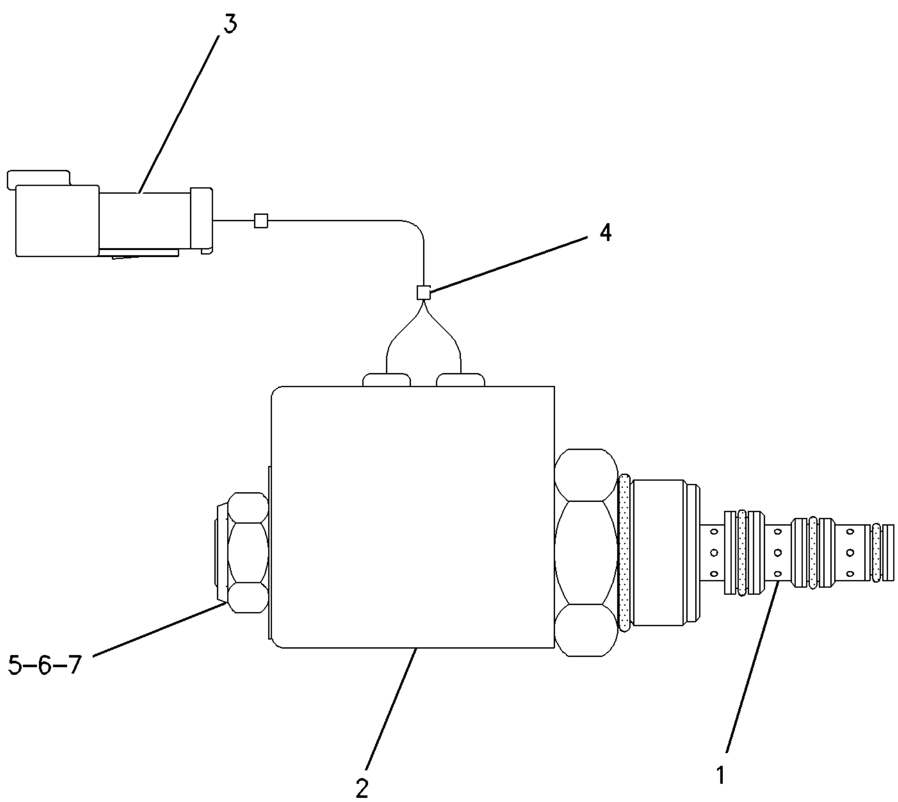
**S/N: AKA1-UP**

**24 VOLT**

**PART OF 143-7770 FAN AR-VARIABLE**

**SMCS-5479** **i01229572**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6T-9244** | 1 | CARTRIDGE AS | |
| | 2 | 1 | **3E-8581** | 1 | COIL AS | |
| | 3 | 1 | **102-8804** | 1 | KIT-RECEPTACLE (4 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3377** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 1 | **8T-8729** | 4 | PIN-CONNECTOR | |
| | 4 | 1 | **1S-9593** | 2 | STRAP-CABLE (0.62IN DIA) | |
| | 5 | 1 | **157-2284** | 1 | LOCKNUT-SPECIAL (5/8-18 THD) | |
| | 6 | 1 | **160-5843** | 1 | WASHER-IDENTIFICATION | |
| | 7 | 1 | **160-5844** | 1 | SPRING-BELLEVILLE | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **6T-3381** | 1 | KIT-SEAL | |




GRAPHIC #1 g00657410

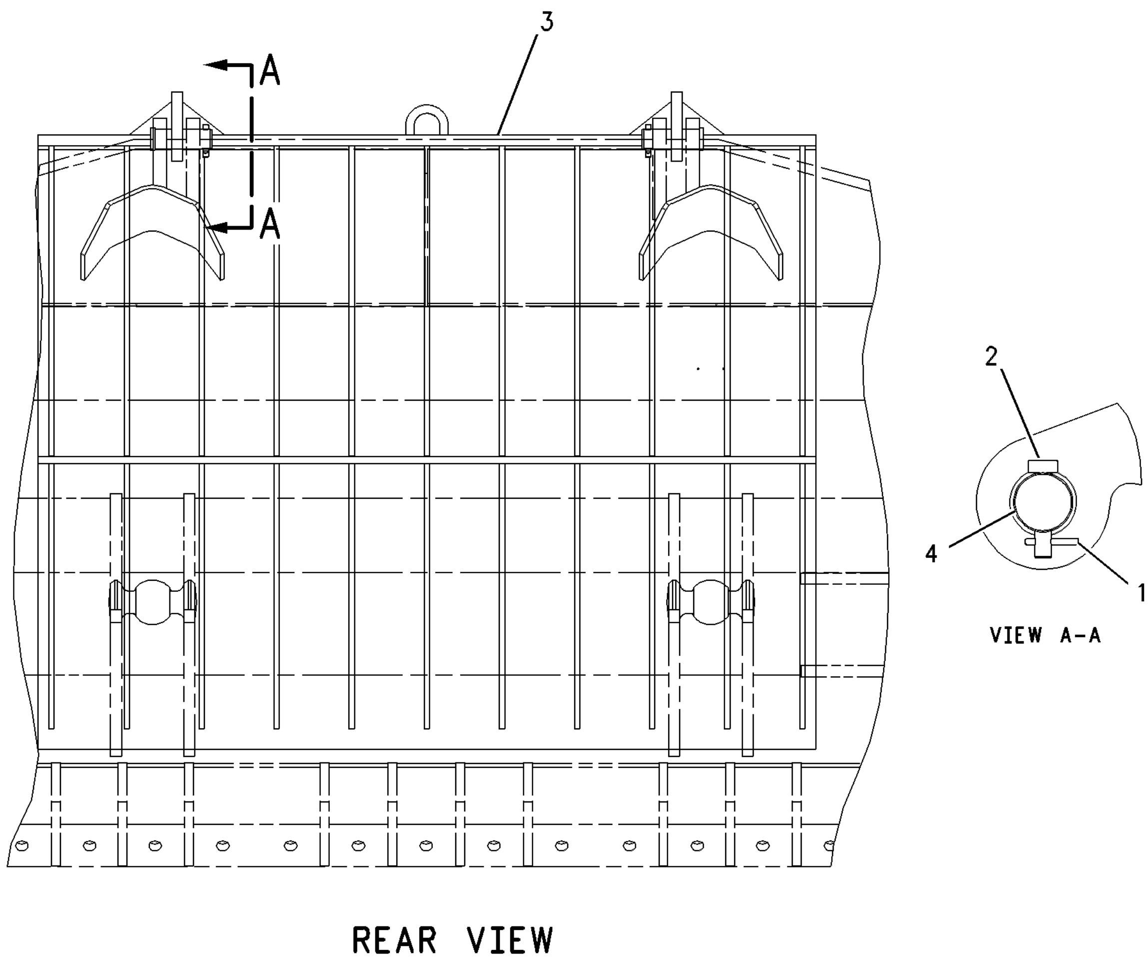
# *151-2979* BLOCK GP-PUSH

**S/N: 3MP1-UP**

**PART OF 163-9464 BLADE & EDGE GP**

**SMCS-6062** **i01239674**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3B-4628** | 2 | COTTER | |
| | 2 | 1 | **4F-0255** | 2 | PIN | |
| | 3 | 1 | **151-2980** | 1 | BLOCK AS-PUSH | |
| | | 1 | **1J-3508** | 1 | EYE-LIFTING | |
| | | 1 | **151-2984** | 2 | BRACKET | |
| | 4 | 1 | **3F-6185** | 2 | PIN | |




GRAPHIC #1

g00662953

# *8E-6439* BRACE GP-BULLDOZER

**S/N: BHR1-UP**

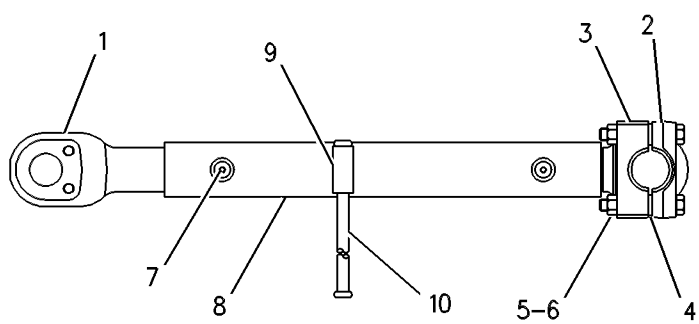
**MANUAL TILT**

**PART OF 159-8153 BRACE GP-BULLDOZER**

**SMCS-6074** **i00935758**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-6176** | 1 | SCREW | |
| | 2 | 1 | **160-6309** | 1 | CAP-BEARING | |
| | 3 | 1 | **8J-9152** | 1 | SCREW-ADJUSTMENT | |
| B | 4 | 1 | **8J-9180** | 28 | SHIM (.02IN THK EACH) | |
| M | 5 | 1 | **8T-4001** | 4 | NUT (M24X3.00 THD) | |
| M | 6 | 1 | **7X-2567** | 4 | BOLT (M24X3X160 MM) | |
| | 7 | 1 | **3B-8489** | 2 | FITTING-GREASE | |
| | 8 | 1 | **9W-4931** | 1 | BRACE AS | |
| | 9 | 1 | **8J-4867** | 1 | LUG | |
| | 10 | 1 | **7T-9153** | 1 | HANDLE | |

B-USE AS REQUIRED
M-METRIC PART




GRAPHIC #1

g00471930

# *159-8153* BRACE GP-BULLDOZER

**S/N: BHR1-UP**

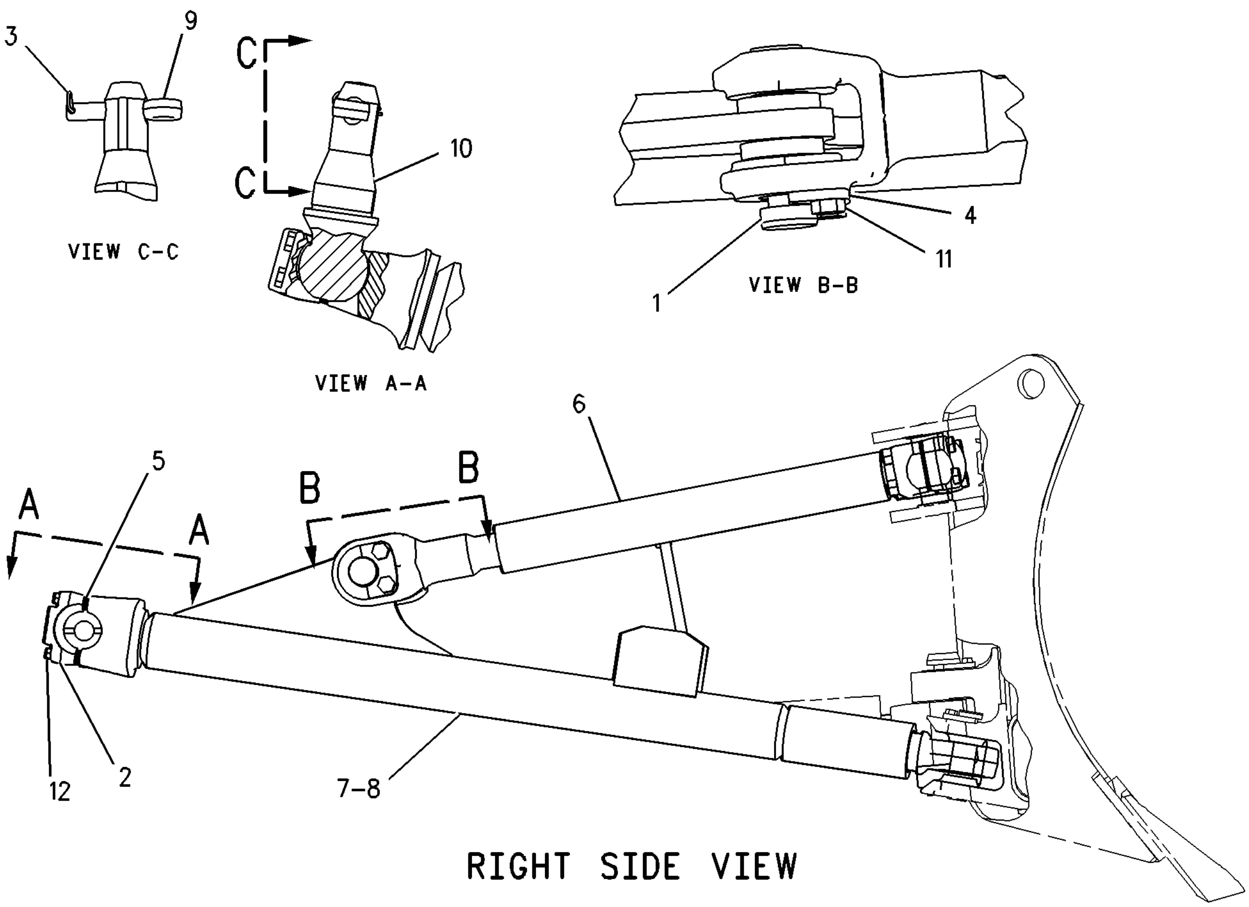
**PART OF 159-8377, 159-8378 BULLDOZER AR**

**SMCS-6074** **i01442126**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3G-7016** | 2 | PIN | |
| | 2 | 1 | **3J-5190** | 2 | CAP-BEARING | |
| | | 1 | **8E-5818** | 14 | SHIM | |
| | 3 | 1 | **5P-0370** | 2 | LOCKPIN | |
| | 4 | 1 | **6J-5179** | 2 | RETAINER | |
| B | 5 | 1 | **8E-5818** | 56 | SHIM | |
| Y | 6 | 1 | *8E-6439* | 2 | BRACE GP-BULLDOZER | 673 |
| | 7 | 1 | **156-4125** | 1 | ARM AS-LH | |
| | 8 | 1 | **156-4126** | 1 | ARM AS-RH | |
| | | | | | (EACH ARM AS INCLUDES) | |
| | | 1 | **9W-4414** | 2 | PLATE | |
| | | 1 | **156-4124** | 1 | NUT | |
| | | 1 | **156-4127** | 1 | BEARING | |
| | | 1 | **156-4128** | 1 | END AS | |
| | | 1 | **4J-4968** | 2 | LOCK RING | |
| | | 1 | **7T-9147** | 1 | BEARING | |
| | | 1 | **163-5116** | 1 | BRACKET AS | |
| | 9 | 1 | **158-3653** | 2 | PIN | |
| | 10 | 1 | **158-3657** | 2 | BALLSTUD | |
| M | 11 | 1 | **7X-2574** | 4 | BOLT (M24X3.0X45MM) | |
| M | 12 | 1 | **8T-4175** | 8 | BOLT (M16X2.0X90MM) | |

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION

*159-8153* **BRACE GP-BULLDOZER** ***(contd.)*** **i01442126**




GRAPHIC #1

g00672327

# *159-1633* BULLDOZER AR

**S/N: CXL1-UP**

**SMCS-6050** **i01496542**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-6150** | 1 | BLADE GP-UNIVERSAL | 726 |
| Y | *201-5703* | 1 | LINES GP-TILT CYLINDER | 618 |
| Y | **5P-4963** | 1 | PLATE & FILM GP | 878 |
| Y | **118-3173** | 1 | PUSH ARM GP-STABILIZER | 701 |
| Y | **9W-8276** | 1 | TRUNNION GP-BULLDOZER | 704 |

Y-SEPARATE ILLUSTRATION

# *159-8377* BULLDOZER AR

S/N: BHR1-UP

SMCS-6050 i01477877

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *151-1151* | 1 | BLADE GP-ANGLING | 724 |
| Y | *159-8153* | 1 | BRACE GP-BULLDOZER | 674 |
| Y | *159-8142* | 1 | C-FRAME GP | 682 |
| Y | *108-6979* | 1 | CYLINDER & LINES GP-LIFT | 556 |
| Y | *108-6980* | 1 | CYLINDER & LINES GP-LIFT | 558 |
| Y | *159-0068* | 1 | LIGHTING GP-FRONT | 252 |
| Y | *6I-8788* | 1 | MOUNTING GP-CYLINDER | 693 |
| Y | *5P-4963* | 1 | PLATE & FILM GP | 878 |
| Y | *9W-8276* | 1 | TRUNNION GP-BULLDOZER | 704 |

Y-SEPARATE ILLUSTRATION

## *159-8378* BULLDOZER AR

**S/N: BHR1-UP**

**ANGLING**

**SMCS-6050** **i01442288**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *151-1151* | 1 | BLADE GP-ANGLING | 724 |
| Y | *159-8153* | 1 | BRACE GP-BULLDOZER | 674 |
| Y | *159-8142* | 1 | C-FRAME GP | 682 |
| Y | *5P-4963* | 1 | PLATE & FILM GP | 878 |
| Y | *9W-8276* | 1 | TRUNNION GP-BULLDOZER | 704 |

Y-SEPARATE ILLUSTRATION

# *163-9463* BULLDOZER AR

S/N: 3MP1-UP

PUSH BLOCK

FOR USE WITH SEMI-UNIVERSAL BULLDOZER

SMCS-6050 i01239761

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *163-9464* | 1 | BLADE & EDGE GP | 715 |

Y-SEPARATE ILLUSTRATION

# *159-1628* BULLDOZER AR-SEMI-UNIVERSAL

**S/N: BHW1-UP**

**SMCS-6050, 6078** **i01497638**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *8E-6151* | 1 | BLADE GP-SEMI-UNIVERSAL | 725 |
| Y | *108-6979* | 1 | CYLINDER & LINES GP-LIFT | 556 |
| Y | *108-6980* | 1 | CYLINDER & LINES GP-LIFT | 558 |
| Y | *159-0068* | 1 | LIGHTING GP-FRONT | 252 |
| Y | *201-5703* | 1 | LINES GP-TILT CYLINDER | 618 |
| Y | *6I-8788* | 1 | MOUNTING GP-CYLINDER | 693 |
| Y | *5P-4963* | 1 | PLATE & FILM GP | 878 |
| Y | *118-3173* | 1 | PUSH ARM GP-STABILIZER | 701 |
| Y | *9W-8276* | 1 | TRUNNION GP-BULLDOZER | 704 |

Y-SEPARATE ILLUSTRATION

# *159-1629* BULLDOZER AR-UNIVERSAL

S/N: CXB1-UP

SMCS-6050, 6053 i01496432

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-6150** | 1 | BLADE GP-UNIVERSAL | 726 |
| Y | **108-6979** | 1 | CYLINDER & LINES GP-LIFT | 556 |
| Y | **108-6980** | 1 | CYLINDER & LINES GP-LIFT | 558 |
| Y | *159-0068* | 1 | LIGHTING GP-FRONT | 252 |
| Y | *201-5703* | 1 | LINES GP-TILT CYLINDER | 618 |
| Y | **6I-8788** | 1 | MOUNTING GP-CYLINDER | 693 |
| Y | **5P-4963** | 1 | PLATE & FILM GP | 878 |
| Y | **118-3173** | 1 | PUSH ARM GP-STABILIZER | 701 |
| Y | **9W-8276** | 1 | TRUNNION GP-BULLDOZER | 704 |

Y-SEPARATE ILLUSTRATION

# *159-8142* C-FRAME GP

**S/N: BHR1-UP**

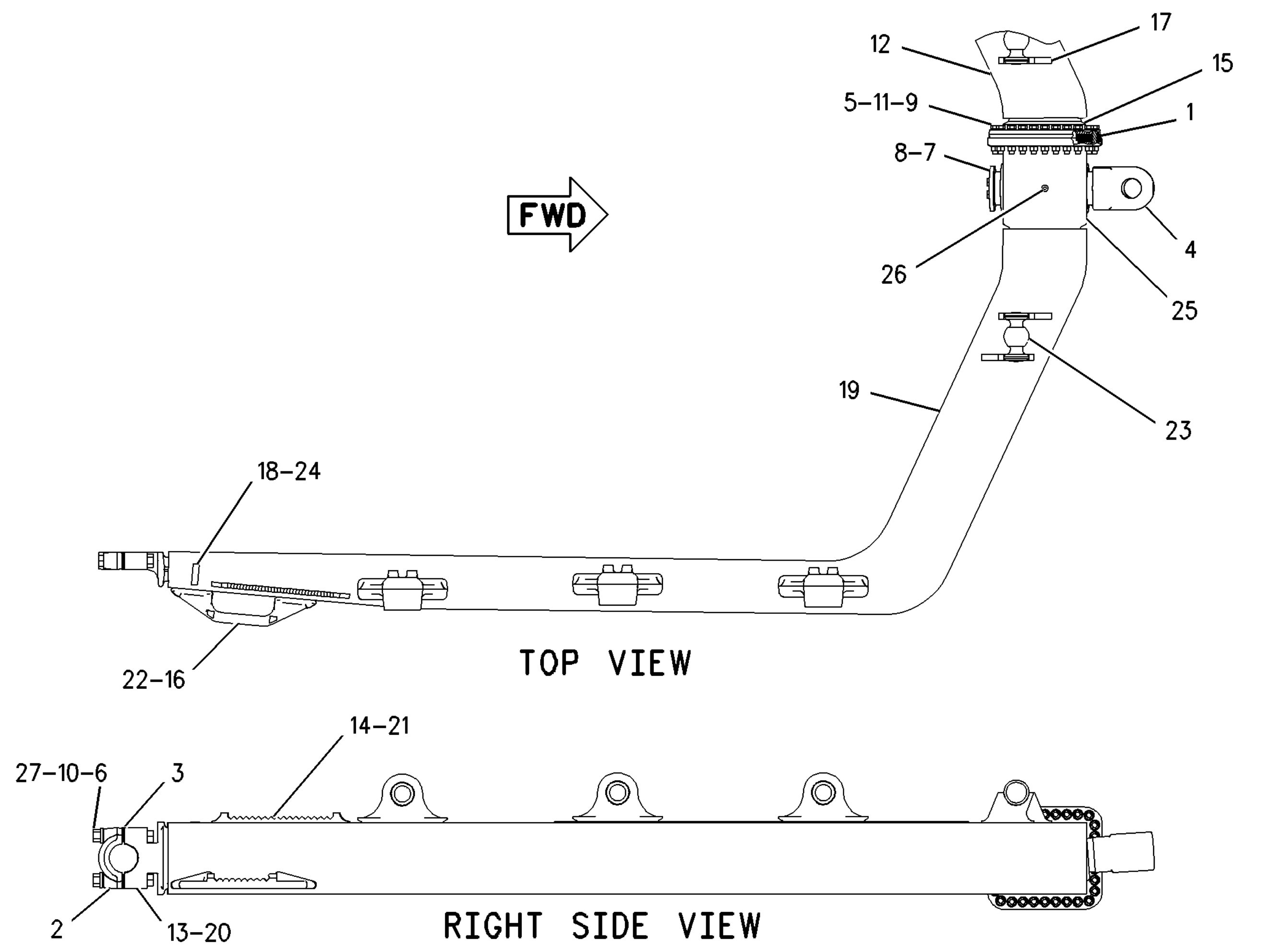
**PART OF 159-8377, 159-8378 BULLDOZER AR**

**SMCS-6063** **i01478783**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3G-9571** | 2 | KEY | |
| | 2 | 1 | **193-3063** | 2 | CAP-BEARING | |
| B | 3 | 1 | **9W-7602** | 56 | SHIM (.8MM THK) | |
| | 4 | 1 | **159-8125** | 1 | PIN-PIVOT | |
| M | 5 | 1 | **8T-4131** | 32 | NUT (M20X2.5 THD) | |
| M | 6 | 1 | **3E-9850** | 4 | BOLT (M30X3.5X220MM) | |
| | 7 | 1 | **163-2013** | 1 | RETAINER | |
| M | 8 | 1 | **7X-2562** | 2 | BOLT (M20X2.5X45MM) | |
| M | 9 | 1 | **7X-2565** | 32 | BOLT (M20X2.5X100MM) | |
| | 10 | 1 | **195-6283** | 4 | NUT-SQUARE (M30X3.5 THD) | |
| | 11 | 1 | **8T-4123** | 64 | WASHER-PLATED (22X35X3.5MM THK) | |
| | 12 | 1 | **159-8143** | 1 | C-FRAME AS (LH) | |
| | 13 | 1 | **1J-6744** | 1 | BEARING | |
| | 14 | 1 | **1U-2533** | 1 | BAR | |
| | 15 | 1 | **3G-9626** | 1 | END-JOINT | |
| | 16 | 1 | **7T-5140** | 1 | STEP | |
| | 17 | 1 | **8E-6443** | 1 | TRUNNION AS | |
| | 18 | 1 | **8P-9770** | 1 | PLATE | |
| | 19 | 1 | **159-8144** | 1 | C-FRAME AS (RH) | |
| | 20 | 1 | **1J-6744** | 1 | BEARING | |
| | 21 | 1 | **1U-2533** | 1 | BAR | |
| | 22 | 1 | **7T-5140** | 1 | STEP | |
| | 23 | 1 | **8E-6444** | 1 | TRUNNION AS | |
| | 24 | 1 | **8P-9770** | 1 | PLATE | |
| | 25 | 1 | **159-8939** | 1 | ADAPTER AS | |
| | | 1 | **160-1660** | 2 | BEARING-SLEEVE | |
| | 26 | 1 | **5M-6214** | 1 | PLUG-PIPE | |
| | 27 | 1 | **9X-8258** | 4 | WASHER (33X56X6MM THK) | |

B-USE AS REQUIRED
M-METRIC PART

*159-8142* **C-FRAME GP** *(contd.)* **i01478783**




GRAPHIC #1 g00758337

# *160-5556* CONTROL AR-BULLDOZER & WINCH

**S/N: AKA1-UP**

**SMCS-5050, 5170** **i01488921**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *160-5560* | 1 | CONTROL AR-PILOT HYDRAULIC | 554 |
| Y | *160-8403* | 1 | LINES GP-WINCH | 690 |
| | | | | |
| | **164-9928** | 1 | FILM-IDENTIFICATION (LOW SPEED WINCH LIGHT) | |
| | | | NEXT TO LIGHT ON CONSOLE COVER | |
| | **164-9930** | 1 | FILM-IDENTIFICATION (WINCH CONTROL) | |
| | | | ON RAISED SURFACE TO THE RIGHT OF CONTROL | |

Y-SEPARATE ILLUSTRATION

# MEMORANDA

# *153-3134* FRAME GP-RIPPER

S/N: BHD1-UP

SINGLE SHANK

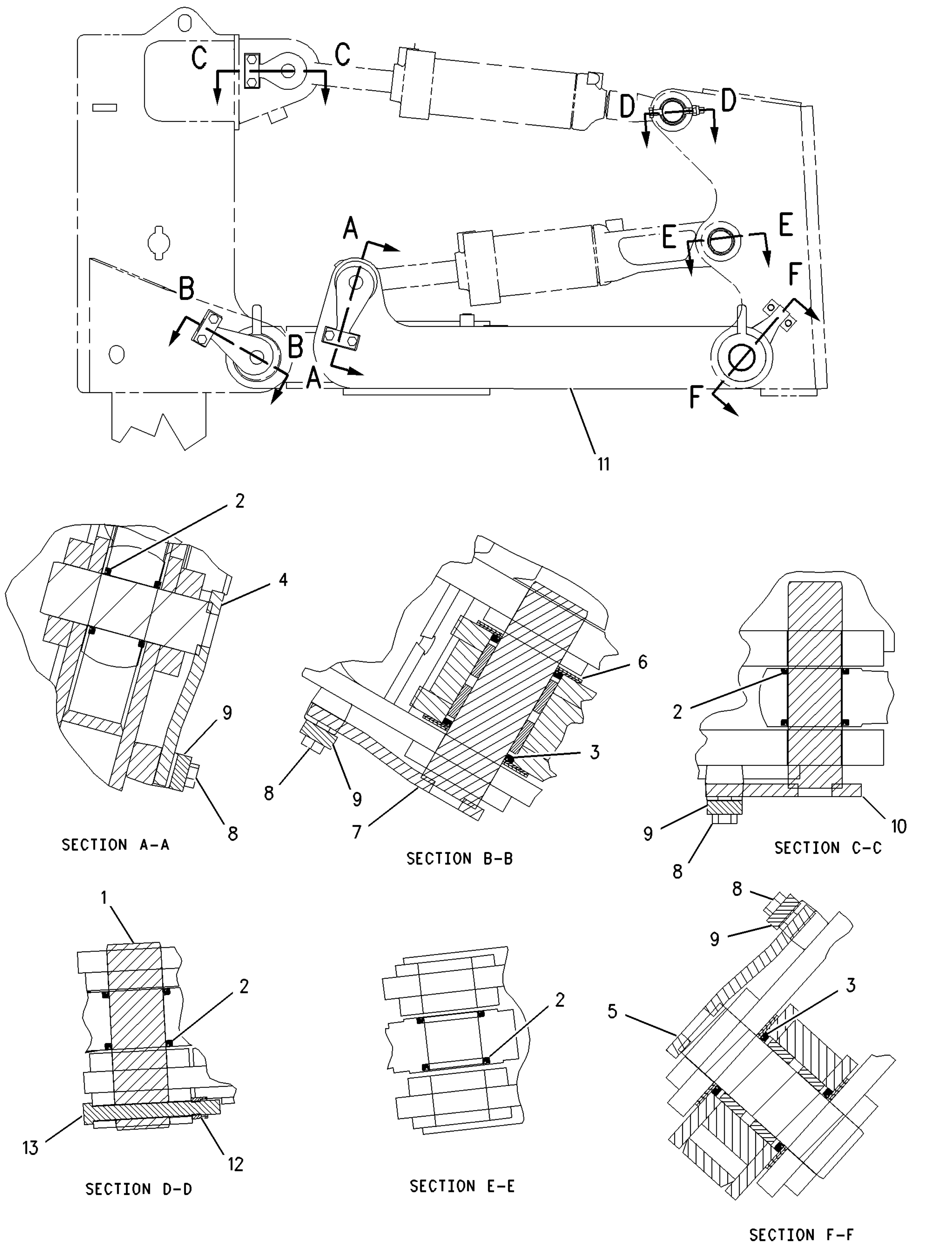
PART OF 153-3130 RIPPER AR

SMCS-6314, 7067 i01442884

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1U-0990** | 2 | PIN | |
| | 2 | 1 | **3E-6756** | 16 | SEAL-LIP | |
| | 3 | 1 | **3E-6757** | 8 | SEAL-LIP | |
| | 4 | 1 | **4T-0203** | 2 | PIN AS | |
| | 5 | 1 | **4T-1389** | 2 | PIN AS | |
| | 6 | 1 | **4T-3522** | 16 | WASHER | |
| | 7 | 1 | **6J-9482** | 2 | PIN AS | |
| M | 8 | 1 | **8T-5460** | 16 | BOLT (M20X2.5X40MM) | |
| | 9 | 1 | **7T-7305** | 8 | PLATE | |
| | 10 | 1 | **132-7994** | 2 | PIN AS | |
| | | 1 | **5J-1205** | 1 | PIN | |
| | 11 | 1 | **154-0240** | 1 | FRAME & BEARING AS | |
| | | 1 | **3B-8489** | 4 | FITTING-GREASE | |
| | | 1 | **4T-9751** | 4 | BEARING-SLEEVE (50MM LG) | |
| | | 1 | **7T-3746** | 4 | BEARING-SLEEVE (40MM LG) | |
| M | 12 | 1 | **6V-7688** | 2 | LOCKNUT | |
| M | 13 | 1 | **7X-2568** | 2 | BOLT (M20X2.5X180MM) | |

M-METRIC PART

*153-3134* **FRAME GP-RIPPER** ***(contd.)*** **i01442884**




GRAPHIC #1

g00647544

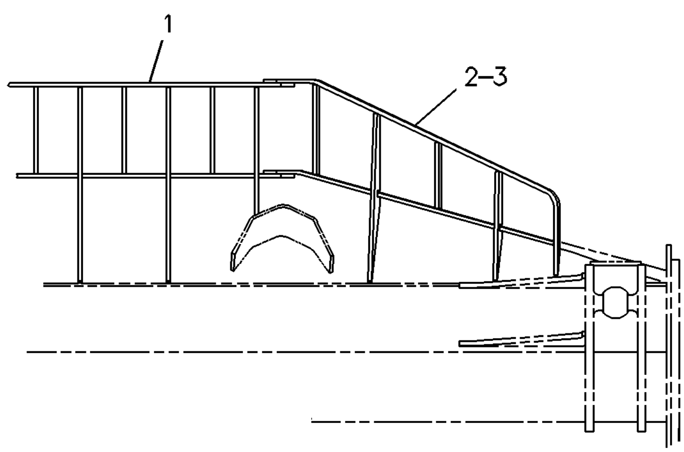
# *8E-1497* GUARD GP-ROCK

S/N: AKA1-UP

PART OF 8E-7224 BLADE AS-SEMI-UNIVERSAL

SMCS-7182 i01440962

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-1450** | 1 | GUARD AS-CENTER | |
| | 2 | 1 | **8E-1454** | 1 | GUARD AS-RH | |
| | 3 | 1 | **8E-1455** | 1 | GUARD AS-LH | |




REAR VIEW

GRAPHIC #1 g00222687

# *8E-4205* GUARD GP-ROCK

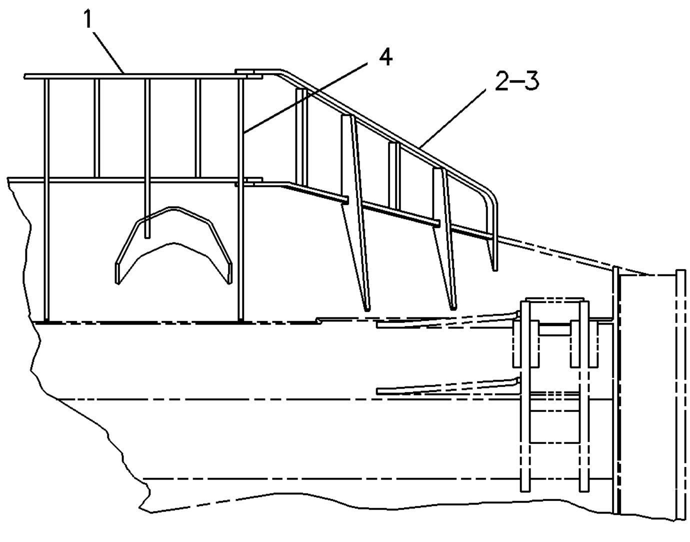
**S/N: AKA1-UP**

**PART OF 8E-7226 BLADE AS-UNIVERSAL**

**CANNOT BE USED WITH SCREEN AS**

**SMCS-7182** **i01254706**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-4206** | 1 | GUARD AS-CENTER | |
| | 2 | 1 | **8E-4209** | 1 | GUARD AS-RH | |
| | 3 | 1 | **8E-4216** | 1 | GUARD AS-LH | |
| | 4 | 1 | **8E-4218** | 2 | PLATE | |




GRAPHIC #1 g00222679

# *160-8403* LINES GP-WINCH

**S/N: AKA1-UP**

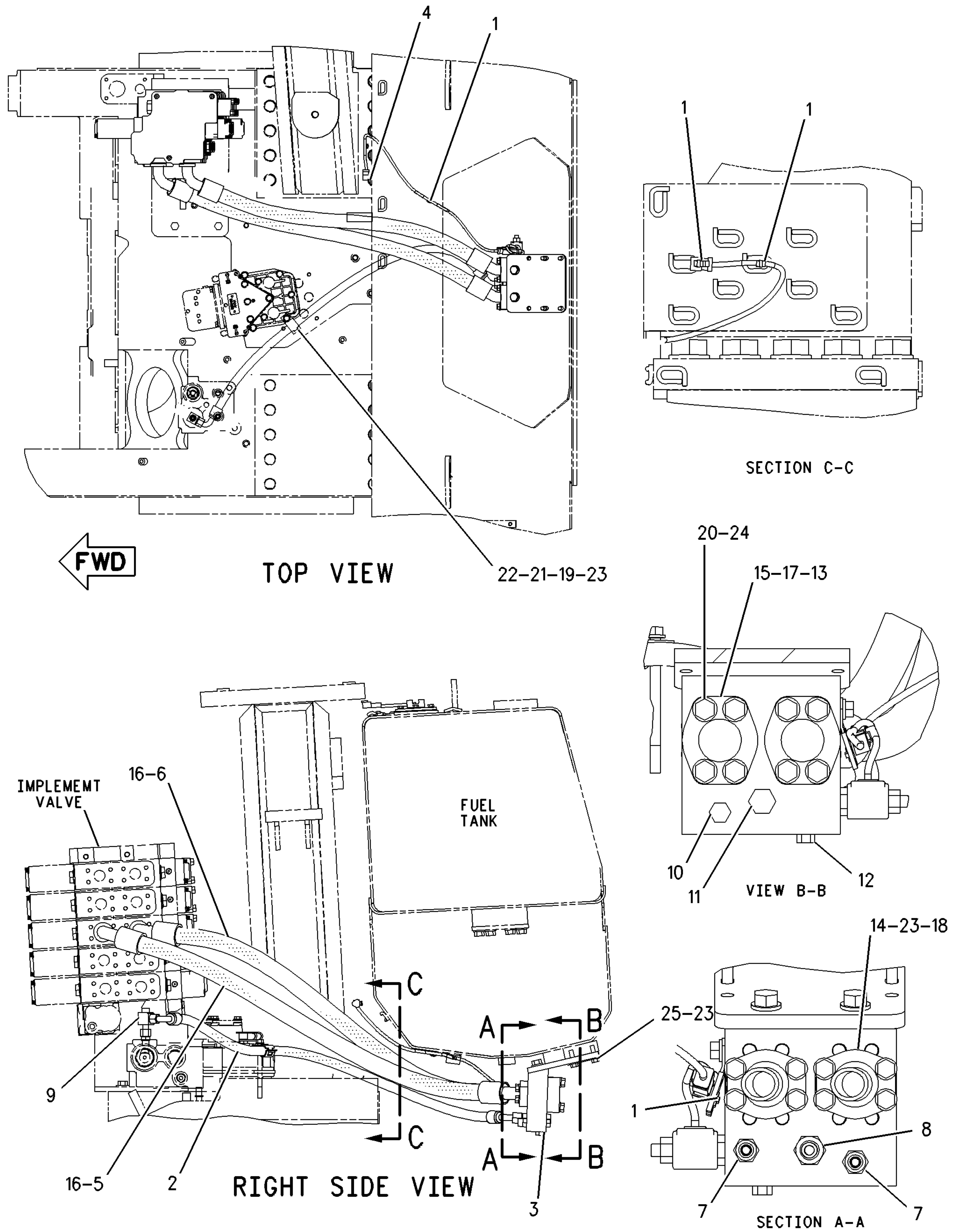
**PART OF 160-5556 CONTROL AR-BULLDOZER & WINCH**

**SMCS-5057** **i01488936**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9X-6772** | 4 | STRAP-CABLE | |
| I | 2 | 1 | **161-3948** | 1 | HOSE AS | |
| Y | 3 | 1 | **161-8893** | 1 | MANIFOLD GP-HYDRAULIC | 620 |
| | 4 | 1 | **170-4891** | 1 | HARNESS AS | |
| | | 1 | **155-2260** | 1 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 5 | 1 | **197-8494** | 1 | HOSE AS | |
| | 6 | 1 | **197-8495** | 1 | HOSE AS | |
| | 7 | 1 | *148-8336* | 2 | CONNECTOR GP | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8397** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8636** | 1 | CONNECTOR | |
| | 8 | 1 | *148-8340* | 1 | CONNECTOR GP | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8398** | 1 | SEAL-O-RING | |
| | | 1 | **6V-8639** | 1 | CONNECTOR | |
| | 9 | 1 | *148-8433* | 1 | TEE GP | |
| | | 1 | **6V-9836** | 1 | TEE-SWIVEL | |
| | | 1 | **6V-8397** | 2 | SEAL-O-RING | |
| | 10 | 1 | *148-8407* | 1 | PLUG GP | |
| | | 1 | **3J-1907** | 1 | SEAL-O-RING | |
| | | 1 | **9S-4191** | 1 | PLUG-STRAIGHT THREAD | |
| | 11 | 1 | *148-8411* | 1 | PLUG AS | |
| | | 1 | **3K-0360** | 1 | SEAL-O-RING | |
| | | 1 | **9S-4185** | 1 | PLUG-O-RING | |
| | 12 | 1 | *155-3624* | 1 | PLUG GP | |
| | | 1 | **3J-7354** | 1 | SEAL-O-RING | |
| | | 1 | **9S-4182** | 1 | PLUG-O-RING | |
| | 13 | 1 | **1P-3703** | 2 | SEAL-RECTANGULAR | |
| | 14 | 1 | **1P-4577** | 6 | FLANGE-HALF | |
| | 15 | 1 | **1P-5766** | 4 | FLANGE-HALF | |
| | 16 | 1 | **4J-0520** | 4 | SEAL-O-RING | |
| | 17 | 1 | **5P-0047** | 2 | COVER | |
| | 18 | 1 | **5S-7382** | 8 | BOLT (3/8-16X1.375 IN) | |
| | 19 | 1 | **7X-0294** | 1 | BOLT (3/8-16X5 IN) | |
| | 20 | 1 | **8C-6877** | 8 | BOLT (7/16-14X1.75 IN) | |
| | 21 | 1 | **8T-1891** | 1 | CLIP (SLOT) | |
| | 22 | 1 | **8T-1892** | 1 | CLIP (TAB) | |
| | 23 | 1 | **8T-4896** | 13 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 24 | 1 | **8T-5360** | 8 | WASHER (12X22.5X2.5MM THK) | |
| | 25 | 1 | **9B-7237** | 4 | BOLT (3/8-16X1.25 IN) | |

I-SEE HOSE FABRICATION GUIDE
Y-SEPARATE ILLUSTRATION

*160-8403* **LINES GP-WINCH** ***(contd.)*** **i01488936**




GRAPHIC #1 g00758861

# *158-6398* LINK GP-STABILIZER

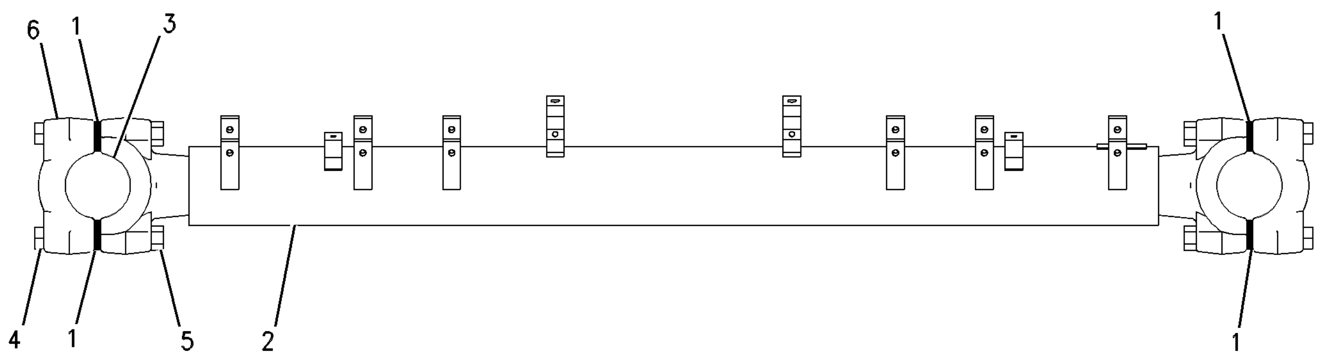
**S/N: AKA1-UP; CXB1-UP; CXL1-UP; BHW1-UP**

**PART OF 118-3173, 158-6394 PUSH ARM GP-STABILIZER**

**SMCS-6071, 7203** **i01488674**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| B | 1 | 1 | **6I-8675** | 52 | SHIM (.60MM THK) | |
| | 2 | 1 | **202-4981** | 1 | LINK AS | |
| | 3 | 1 | **6I-8676** | 2 | BEARING | |
| M | 4 | 1 | **7X-2578** | 8 | BOLT (M24X3X200MM) | |
| M | 5 | 1 | **8T-4001** | 8 | NUT (M24X3 THD) | |
| | 6 | 1 | **160-6307** | 2 | CAP-BEARING | |

B-USE AS REQUIRED
M-METRIC PART




GRAPHIC #1 g00556546

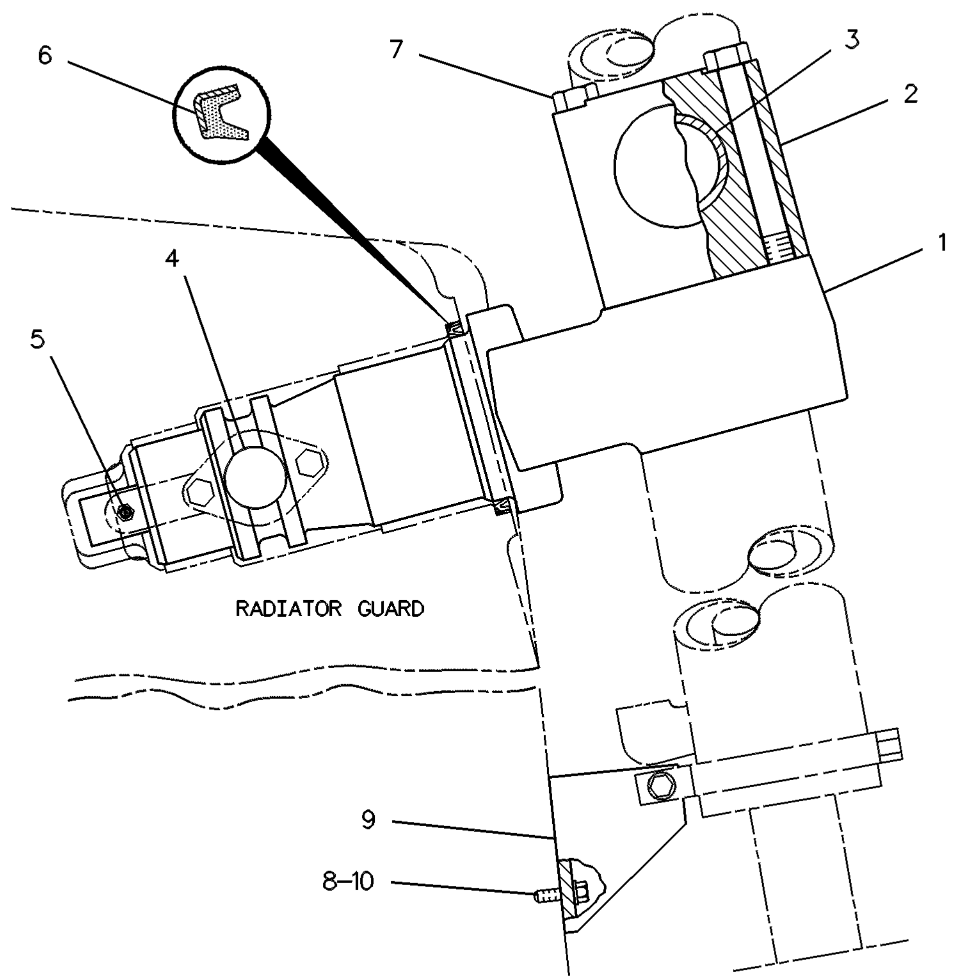
# *6I-8788* MOUNTING GP-CYLINDER

**S/N: AKA1-UP; CXB1-UP; BHR1-UP; BHW1-UP**

**PART OF 159-8377 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-6068** **i00569644**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-5693** | 2 | YOKE | |
| | 2 | 1 | **8E-6185** | 4 | CAP AS | |
| | 3 | 1 | **104-1844** | 1 | BEARING-SLEEVE | |
| | 4 | 1 | **4T-4875** | 2 | PIN | |
| | 5 | 1 | **3B-8489** | 2 | FITTING-GREASE (1/8-27 THD) | |
| | 6 | 1 | **6V-0273** | 2 | SEAL-LIP | |
| | 7 | 1 | **8T-9313** | 8 | BOLT | |
| | 8 | 1 | **5P-1076** | 5 | WASHER-HARD (4MM THK) | |
| | 9 | 1 | **8E-6305** | 1 | PLATE-RH | |
| | | 1 | **8E-6306** | 1 | PLATE-LH | |
| | 10 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.50IN) | |




GRAPHIC #1 g00234958

# *153-3125* MOUNTING GP-RIPPER

**S/N: BHD1-UP**

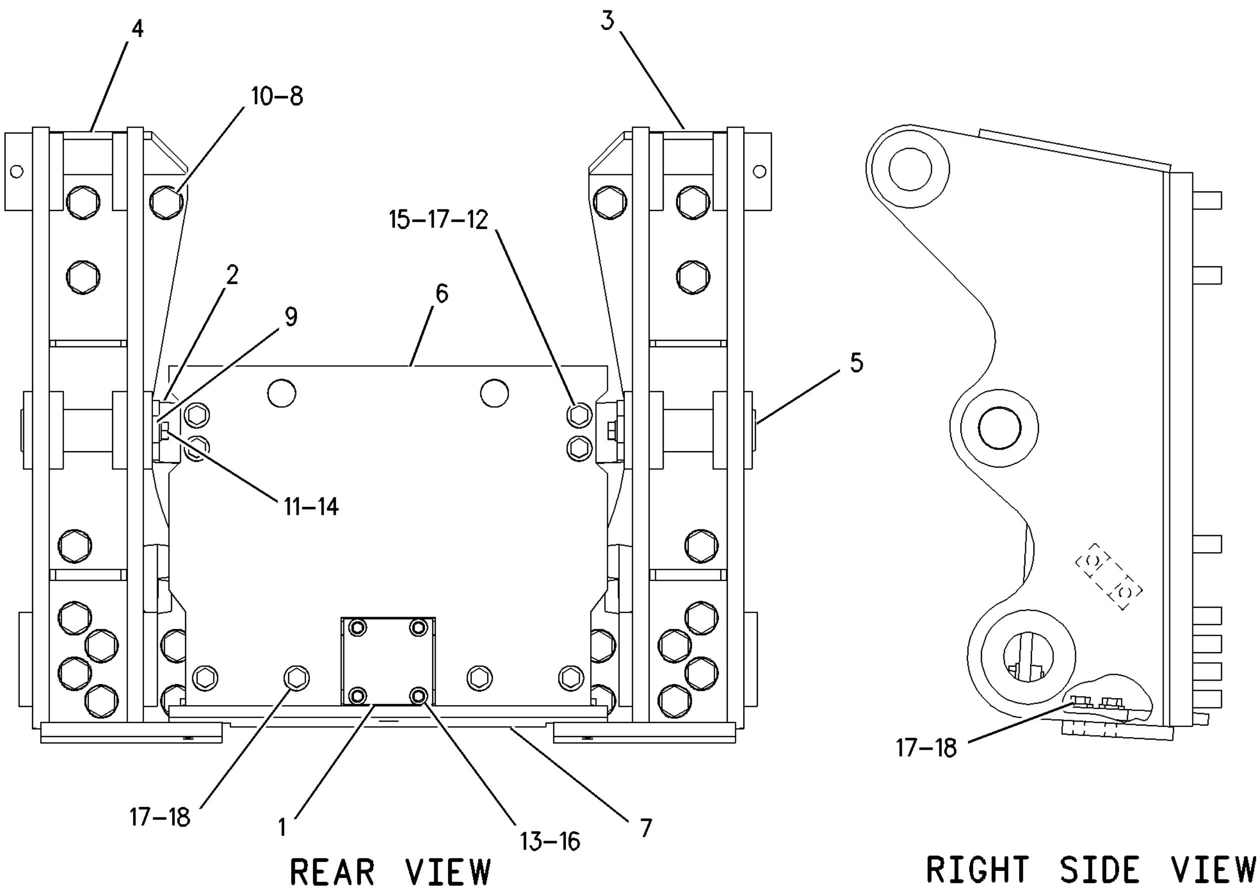
**PART OF 153-3130 RIPPER AR**

**SMCS-6165, 6324** **i01474439**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-6660** | 1 | PLATE | |
| | 2 | 1 | **9W-7990** | 2 | BRACKET | |
| | 3 | 1 | **153-3126** | 1 | BRACKET AS-RH | |
| | 4 | 1 | **153-3127** | 1 | BRACKET AS-LH | |
| | 5 | 1 | **162-0390** | 2 | PIN | |
| | 6 | 1 | **162-5218** | 1 | PLATE AS | |
| | 7 | 1 | **162-5220** | 1 | PLATE AS | |
| | | 1 | **3B-0551** | 1 | PLUG-PIPE | |
| | 8 | 1 | **7X-0533** | 20 | WASHER-HARD (34X55X6MM THK) | |
| | 9 | 1 | **6F-4161** | 2 | DOWEL | |
| | 10 | 1 | **7X-0428** | 20 | BOLT (1 1/4-7X4 IN) (S/N 7XM5094-UP) | |
| | | | | | —OR— | |
| | | 1 | **7T-5790** | 20 | STUD-TAPERLOCK (S/N 7XM1-5093) | |
| | | 1 | **7H-7539** | 20 | NUT-FULL (1-1/4-12 THD) (S/N 7XM1-5093) | |
| M | 11 | 1 | **7X-2562** | 2 | BOLT (M20X2.5X45MM) | |
| M | 12 | 1 | **8T-4141** | 4 | BOLT (M20X2.5X70MM) | |
| | 13 | 1 | **8T-4121** | 4 | WASHER-HARD (11X21X2.5MM THK) | |
| | 14 | 1 | **8T-4123** | 2 | WASHER-PLATED (22X35X3.5MM THK) | |
| M | 15 | 1 | **8T-4131** | 4 | NUT (M20X2.5 THD) | |
| M | 16 | 1 | **8T-4136** | 4 | BOLT (M10X1.5X25MM) | |
| | 17 | 1 | **8T-5439** | 16 | WASHER (21.5X45X6MM THK) | |
| M | 18 | 1 | **8T-6430** | 8 | BOLT (M20X2.5X50MM) | |

M-METRIC PART

*153-3125* **MOUNTING GP-RIPPER** ***(contd.)*** **i01474439**




GRAPHIC #1 g00768673

# *160-3616* PULLER AR-PIN

**S/N: AKA1-UP**

**SMCS-5353, 5354** **i01488847**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **6E-3113** | 1 | CYLINDER GP-RIPPER PIN PULLER | 572 |
| Y | *160-3619* | 1 | LINES GP-PIN PULLER | 604 |
| Y | *135-5111* | 1 | PULLER GP-PIN | 697 |

Y-SEPARATE ILLUSTRATION

# *135-5111* PULLER GP-PIN

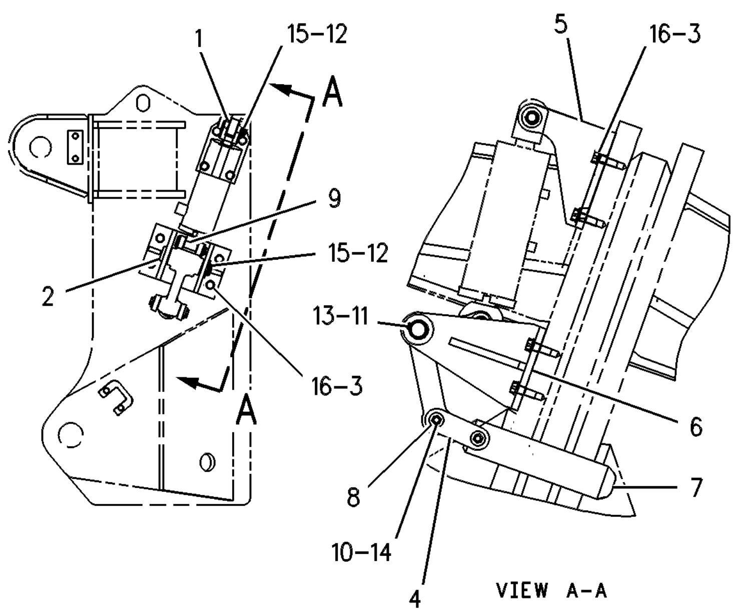
**S/N: AKA1-UP**

**PART OF 160-3616 PULLER AR-PIN**

**SMCS-5353, 5354** **i01480939**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-4501** | 1 | PIN | |
| | 2 | 1 | **7T-4502** | 1 | PIN | |
| | 3 | 1 | **9X-8257** | 8 | WASHER (17.5X30X3.5MM THK) | |
| | 4 | 1 | **130-6366** | 2 | LINK | |
| | 5 | 1 | **135-5102** | 1 | PLATE AS | |
| | 6 | 1 | **135-5105** | 1 | PLATE AS | |
| | 7 | 1 | **135-5109** | 1 | PIN | |
| | 8 | 1 | **135-5113** | 2 | PIN | |
| | 9 | 1 | **135-5114** | 1 | PIN | |
| | 10 | 1 | **7X-3391** | 4 | WASHER-HARD (13.5X32X6MM THK) | |
| | 11 | 1 | **6K-3630** | 1 | RING | |
| | 12 | 1 | **7J-4169** | 2 | RING-SNAP | |
| | 13 | 1 | **7X-0537** | 1 | WASHER-HARD (40.5X67X6MM THK) | |
| M | 14 | 1 | **8C-8992** | 4 | BOLT-LOCKING (M12X1.75X30MM) | |
| | 15 | 1 | **8T-4167** | 2 | WASHER-HARD (26X44X4MM THK) | |
| M | 16 | 1 | **8T-7338** | 8 | BOLT (M16X2.0X45MM) | |

M-METRIC PART




GRAPHIC #1 g00271463

# *109-5147* PUSH ARM GP-LH

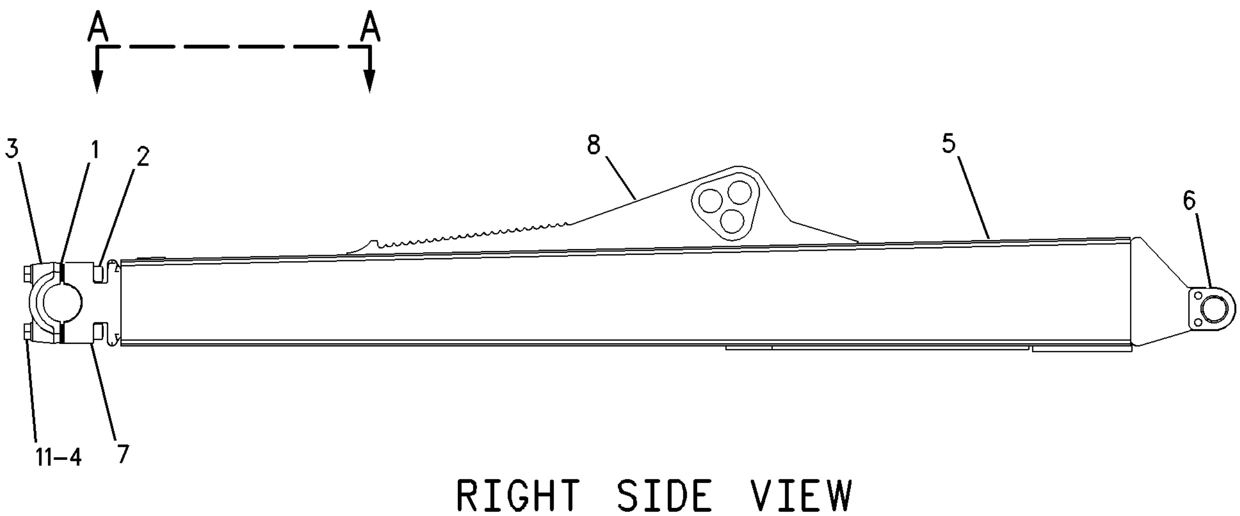
**S/N: CXB1-UP; CXL1-UP; BHW1-UP**

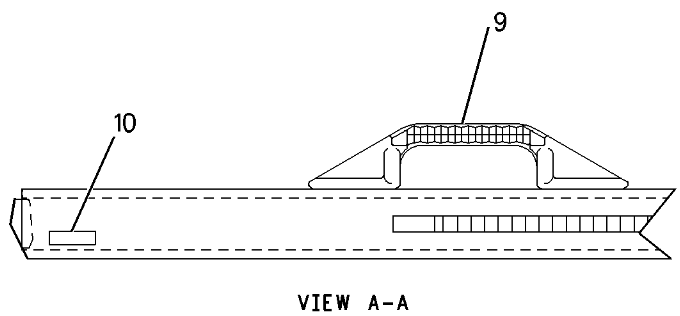
**PART OF 118-3173 PUSH ARM GP-STABILIZER**

**SMCS-6061** **i01441699**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| B | 1 | 1 | **9W-7602** | 26 | SHIM (.8MM THK) | |
| | 2 | 1 | **195-6283** | 2 | NUT-SQUARE | |
| | 3 | 1 | **193-3063** | 1 | CAP-BEARING | |
| M | 4 | 1 | **3E-9850** | 2 | BOLT (M30X3.5X220MM THD) | |
| | 5 | 1 | **106-0786** | 1 | PUSH ARM AS-LH | |
| | 6 | 1 | **8E-6172** | 1 | BRACKET AS-LH | |
| | | 1 | **3G-9598** | 2 | BEARING-SLEEVE | |
| | 7 | 1 | **1J-6740** | 1 | BEARING | |
| | 8 | 1 | **6I-8093** | 1 | BRACKET AS | |
| | 9 | 1 | **7T-5140** | 1 | STEP | |
| | 10 | 1 | **8P-9770** | 1 | PLATE | |
| | 11 | 1 | **9X-8258** | 2 | WASHER (33X56X6MM THK) | |

B-USE AS REQUIRED
M-METRIC PART




GRAPHIC #1 g00739446

# *158-6397* PUSH ARM GP-LH

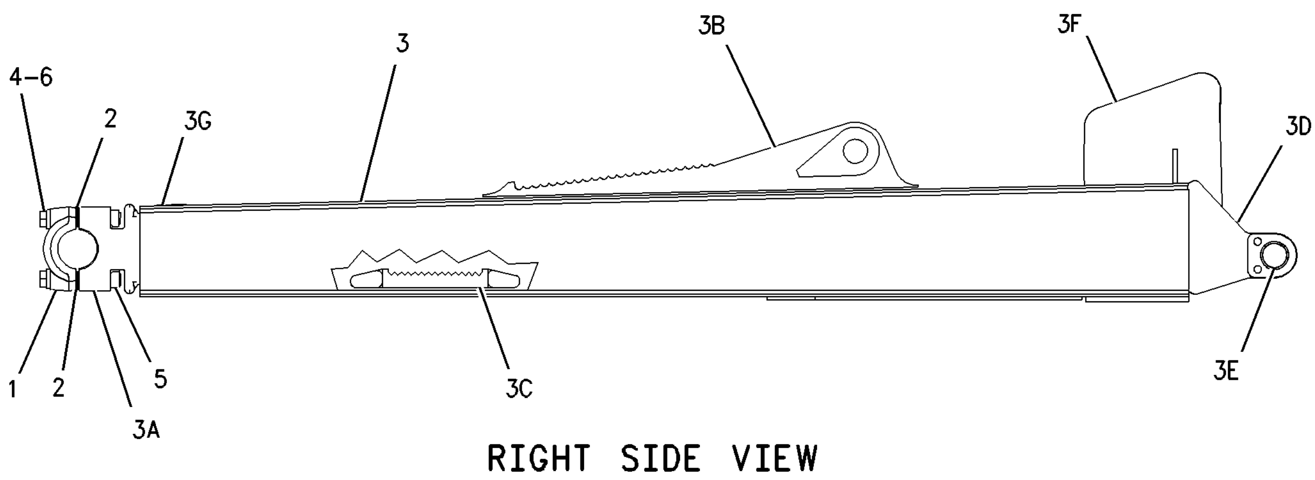
S/N: AKA1-UP

PART OF 158-6394 PUSH ARM GP-STABILIZER

SMCS-6061 i01488677

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **193-3063** | 1 | CAP-BEARING | |
| B | 2 | 1 | **9W-7602** | 26 | SHIM (.8MM THK) | |
| | 3 | 1 | **158-6395** | 1 | PUSH ARM AS-LH | |
| | 3A | 1 | **1J-6740** | 1 | BEARING | |
| | 3B | 1 | **3G-7000** | 1 | BRACKET AS | |
| | 3C | 1 | **7T-5140** | 1 | STEP | |
| | 3D | 1 | **8E-6172** | 1 | BRACKET AS-LH | |
| | 3E | 1 | **3G-9598** | 2 | BEARING-SLEEVE | |
| | 3F | 1 | **159-0868** | 1 | GUARD | |
| | 3G | 1 | **8P-9770** | 1 | PLATE | |
| M | 4 | 1 | **3E-9850** | 2 | BOLT (M30X3.5X220MM) | |
| | 5 | 1 | **195-6283** | 2 | NUT-SQUARE (M30X3.5 THD) | |
| | 6 | 1 | **9X-8258** | 2 | WASHER (33X56X6MM THK) | |

B-USE AS REQUIRED
M-METRIC PART




GRAPHIC #1 g00765289

# IMPLEMENTS

## *8E-6168* PUSH ARM GP-RH

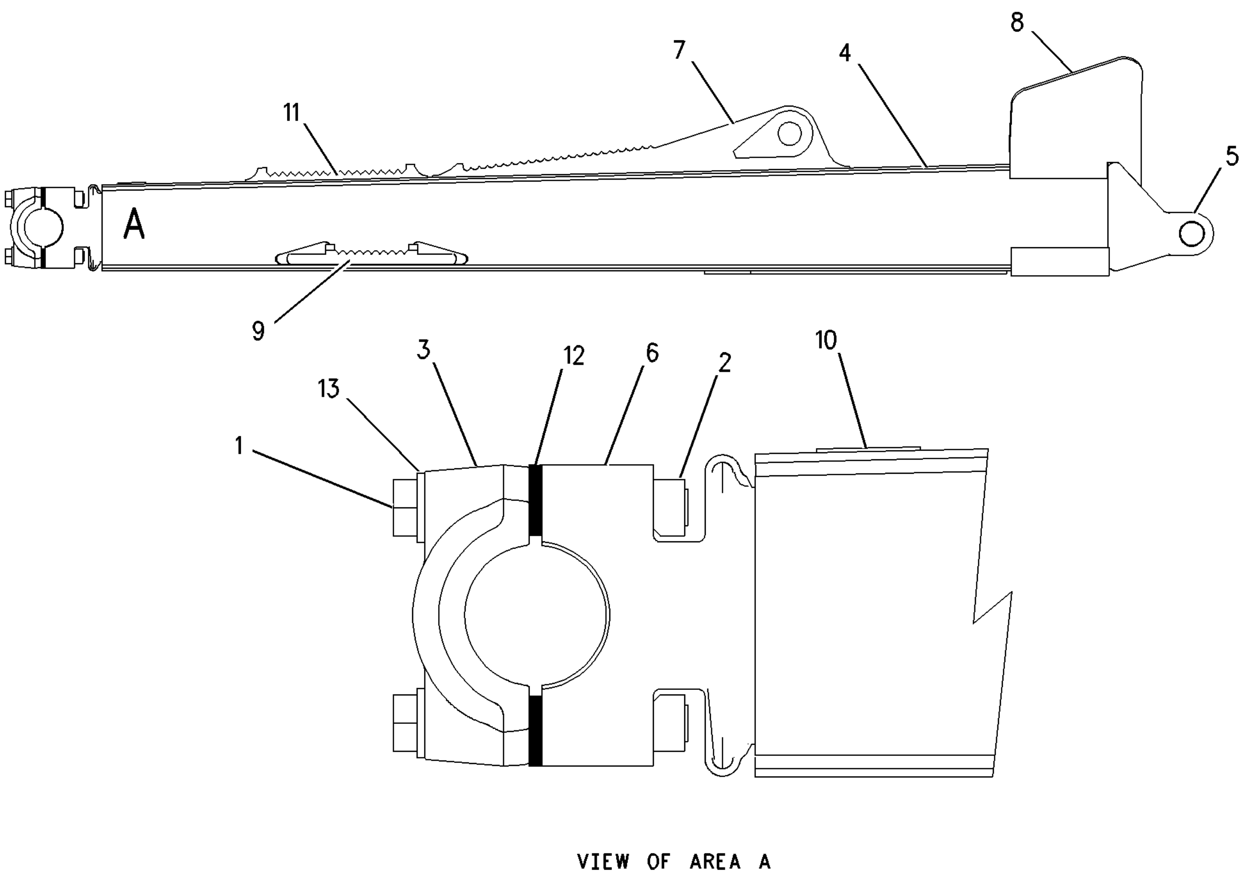
**S/N: AKA1-UP; CXB1-UP; CXL1-UP; BHW1-UP**

**PART OF 118-3173, 158-6394 PUSH ARM GP-STABILIZER**

**SMCS-6061** **i01441651**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| M | 1 | 1 | **3E-9850** | 2 | BOLT (M30X3.5X220MM THD) | |
| | 2 | 1 | **195-6283** | 2 | NUT-SQUARE | |
| | 3 | 1 | **193-3063** | 1 | CAP-BEARING | |
| | 4 | 1 | **8E-6169** | 1 | PUSH ARM AS-RH | |
| | 5 | 1 | **8E-6171** | 1 | BRACKET AS-RH | |
| | | 1 | **3G-9598** | 2 | BEARING-SLEEVE | |
| | 6 | 1 | **1J-6740** | 1 | BEARING | |
| | 7 | 1 | **3G-7000** | 1 | BRACKET AS | |
| | 8 | 1 | **9W-1447** | 1 | GUARD | |
| | 9 | 1 | **7T-5140** | 1 | STEP | |
| | 10 | 1 | **8P-9770** | 1 | PLATE | |
| | 11 | 1 | **1U-2533** | 1 | BAR | |
| B | 12 | 1 | **9W-7602** | 26 | SHIM (.8MM THK) | |
| | 13 | 1 | **9X-8258** | 2 | WASHER (33X56X6MM THK) | |

B-USE AS REQUIRED
M-METRIC PART




GRAPHIC #1

g00740866

# *118-3173* PUSH ARM GP-STABILIZER

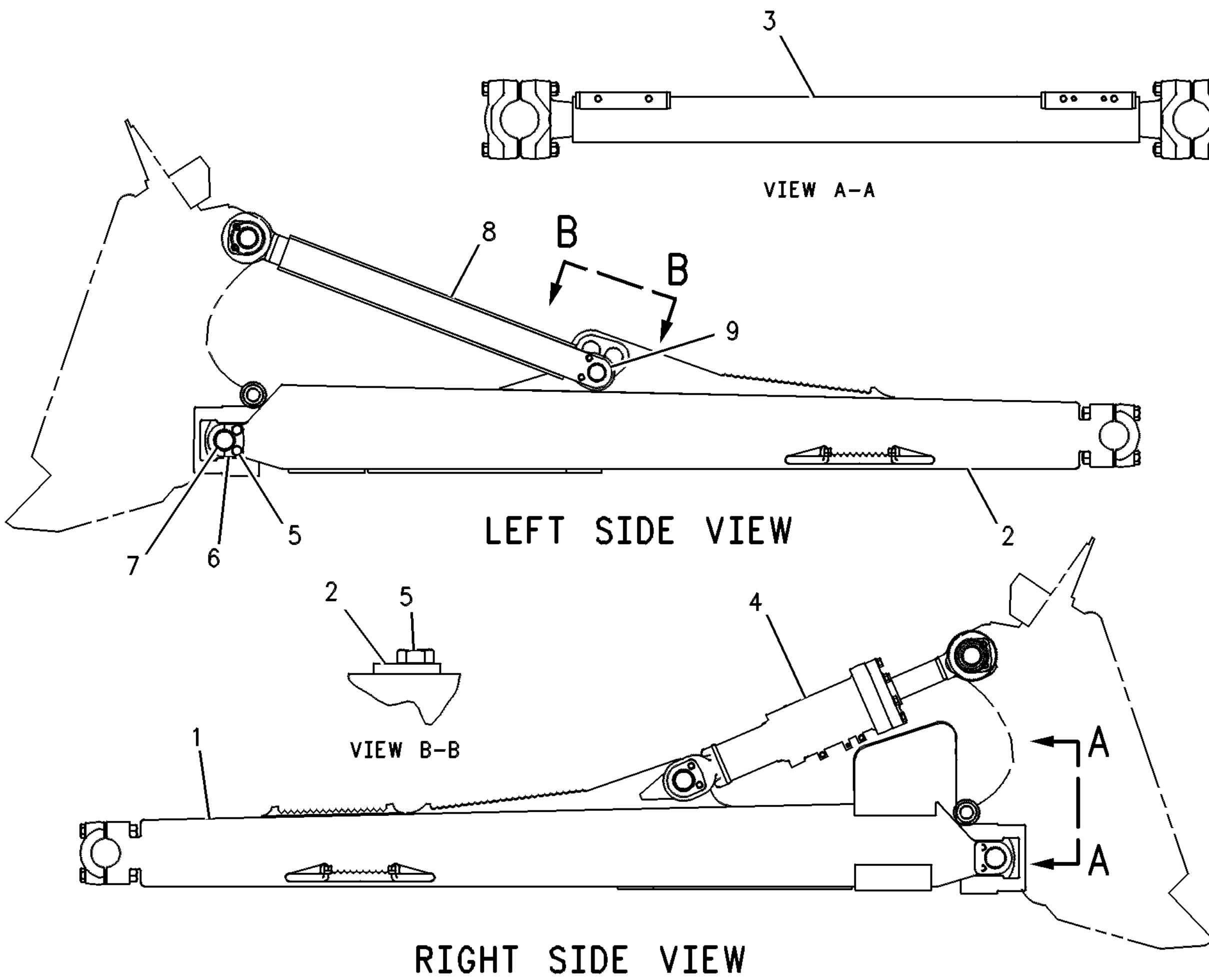
**S/N: CXB1-UP; CXL1-UP; BHW1-UP**

**PART OF 159-1633 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-6061** **i01496515**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *8E-6168* | 1 | PUSH ARM GP-RH | 700 |
| Y | 2 | 1 | *109-5147* | 1 | PUSH ARM GP-LH | 698 |
| CY | 3 | 1 | *158-6398* | 1 | LINK GP-STABILIZER | 692 |
| Y | 4 | 1 | **6E-1175** | 1 | CYLINDER GP-TILT | 582 |
| M | 5 | 1 | **7X-2574** | 8 | BOLT (M24X3.0X45MM) | |
| | 6 | 1 | **6J-5179** | 4 | RETAINER | |
| | 7 | 1 | **4T-7534** | 2 | PIN | |
| | 8 | 1 | **6I-8087** | 1 | BRACE AS | |
| | 9 | 1 | **3G-7016** | 2 | PIN | |

C-CHANGE FROM PREVIOUS TYPE
M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00246816

## *158-6394* PUSH ARM GP-STABILIZER

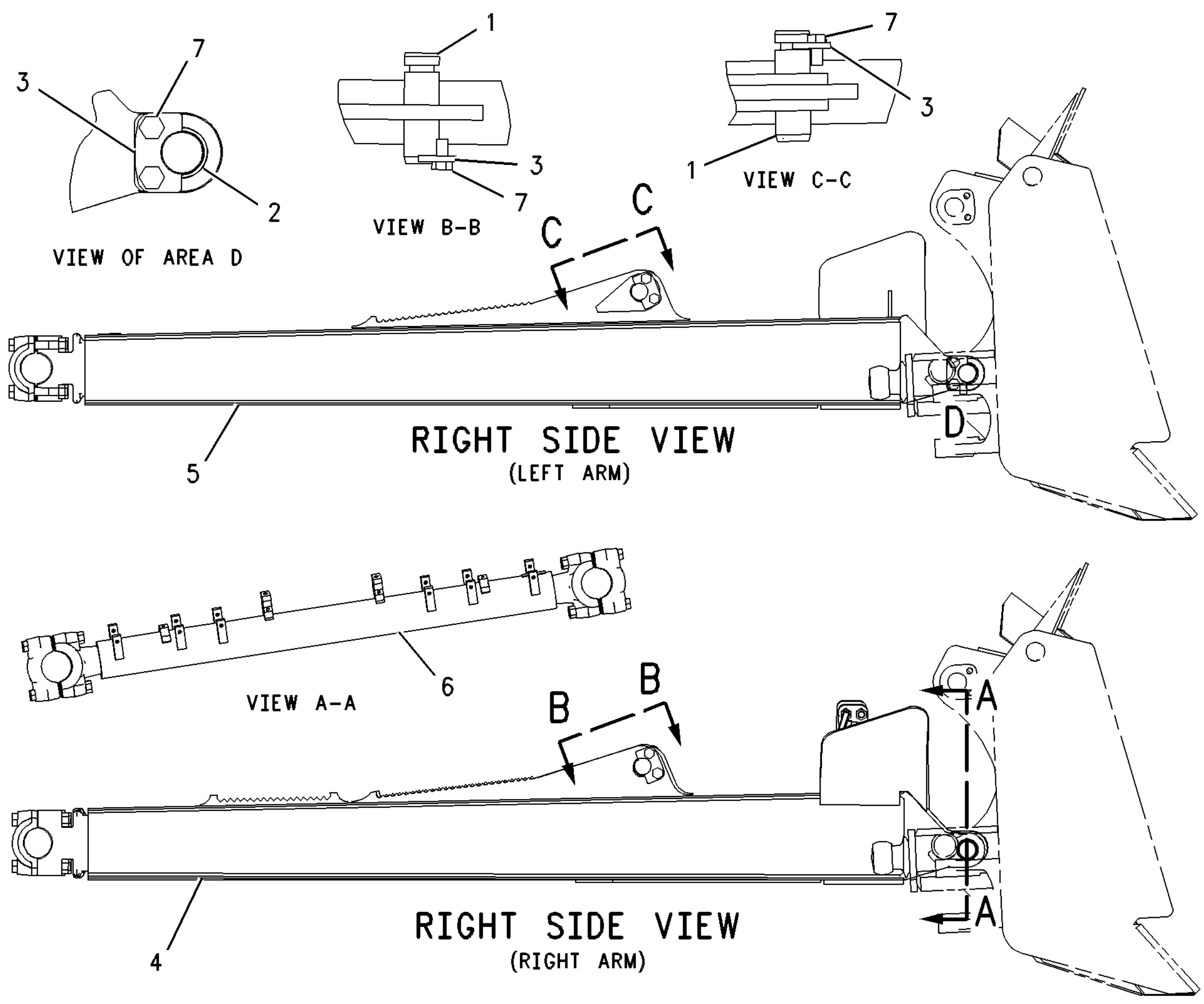
S/N: AKA1-UP

PART OF 158-4631 CYLINDER AR-TILT

SMCS-6061 i01488663

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3G-7016** | 2 | PIN | |
| | 2 | 1 | **4T-7534** | 2 | PIN | |
| | 3 | 1 | **6J-5179** | 4 | RETAINER | |
| Y | 4 | 1 | *8E-6168* | 1 | PUSH ARM GP-RH | 700 |
| Y | 5 | 1 | *158-6397* | 1 | PUSH ARM GP-LH | 699 |
| Y | 6 | 1 | *158-6398* | 1 | LINK GP-STABILIZER | 692 |
| M | 7 | 1 | **7X-2574** | 8 | BOLT (M24X3.0X45MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00556891

# *153-3130* RIPPER AR

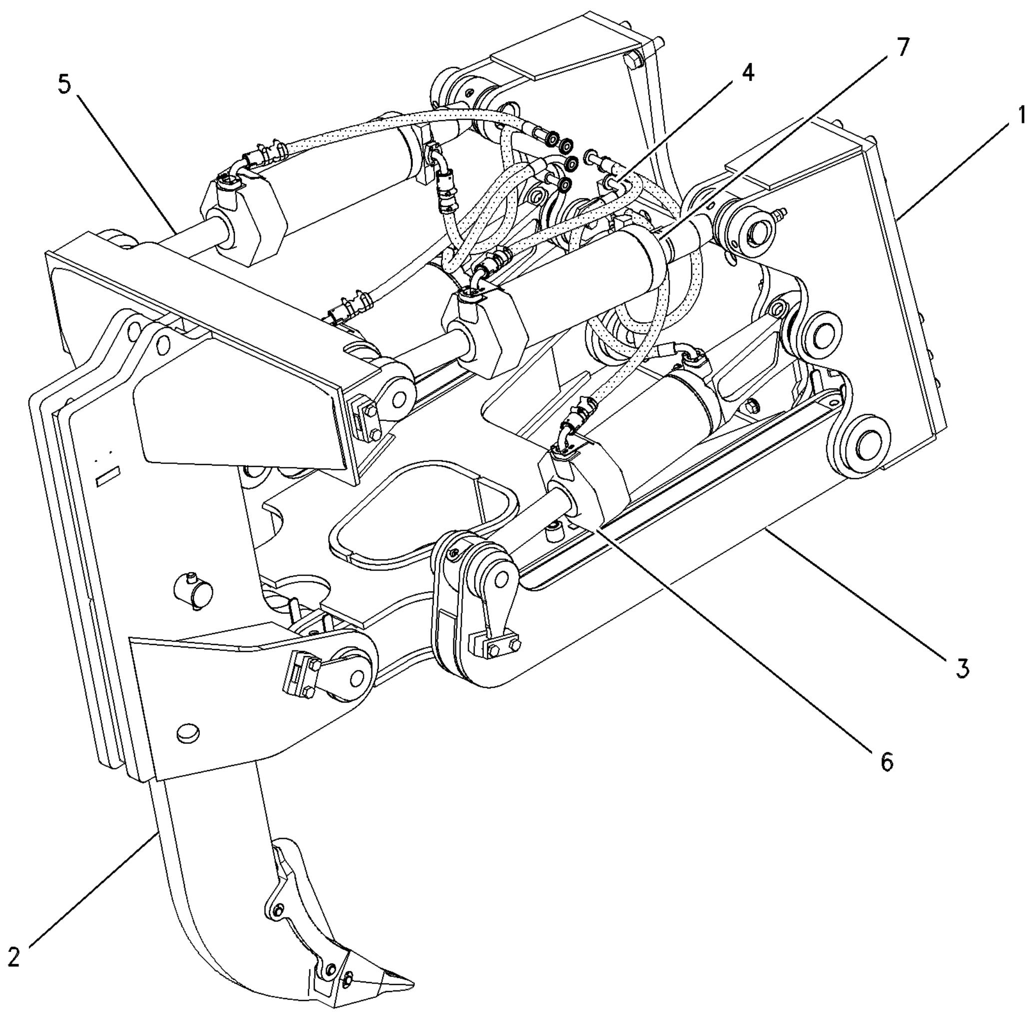
**S/N: BHD1-UP**

**FOR USE WITH RIPPER CONTROL HYDRAULIC**

**SMCS-6312, 6316** **i01442123**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *153-3125* | 1 | MOUNTING GP-RIPPER | 694 |
| Y | 2 | 1 | *153-3132* | 1 | RIPPER GP | 729 |
| Y | 3 | 1 | *153-3134* | 1 | FRAME GP-RIPPER | 686 |
| Y | 4 | 1 | *153-4846* | 1 | LINES GP-RIPPER | 609 |
| Y | 5 | 1 | **155-3652** | 1 | CYLINDER GP-RIPPER TILT | 574 |
| Y | 6 | 1 | **155-3653** | 2 | CYLINDER GP-RIPPER LIFT | 570 |
| Y | 7 | 1 | **165-0102** | 1 | CYLINDER GP-RIPPER TILT | 576 |
| FY | | 1 | *5P-2352* | 1 | PLATE & FILM GP | 877 |

F-NOT SHOWN
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00528109

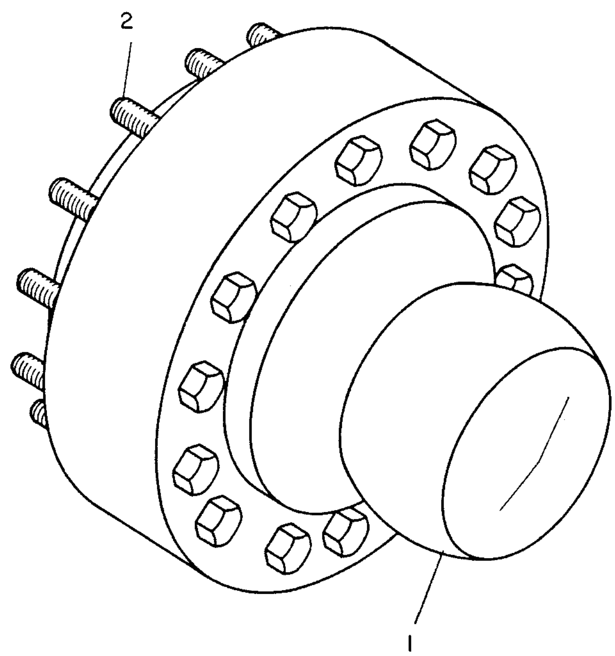
# *9W-8276* TRUNNION GP-BULLDOZER

**S/N: CXB1-UP; CXL1-UP; BHR1-UP; BHW1-UP**

**PART OF 159-1633, 159-8377, 159-8378 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-6069** **i01065466**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-8275** | 2 | TRUNNION AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **5J-4321** | 1 | TRUNNION | |
| | 2 | 1 | **7X-0350** | 32 | BOLT | |
| | | 1 | **8T-4122** | 32 | WASHER | |




GRAPHIC #1 g00193867

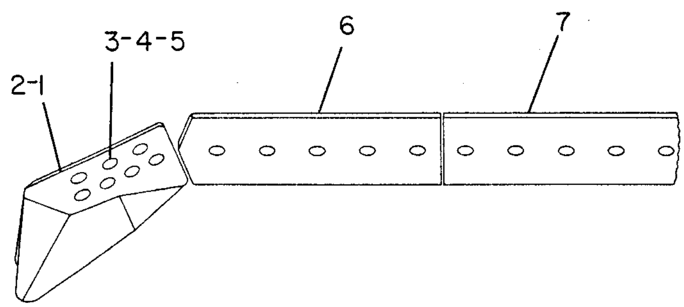
# *7T-5558* BIT & CUTTING EDGE GP

**S/N: AKA1-UP; BHW1-UP**

**PART OF 9U-8083, 9U-8087, 9U-8088 BLADE & EDGE GP**

**SMCS-6801, 6804** **i01065453**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-4193** | 1 | BIT-END-RH | |
| | 2 | 1 | **8E-4194** | 1 | BIT-END-LH | |
| | 3 | 1 | **4J-9058** | 33 | BOLT-PLOW (1-8X3.25 IN) | |
| | 4 | 1 | **5P-8250** | 33 | WASHER (5.0MM THK) | |
| | 5 | 1 | **2J-3507** | 33 | NUT-FULL (1-8 THD) | |
| | 6 | 1 | **6Y-5540** | 2 | EDGE-CUTTING | |
| | 7 | 1 | **4T-6381** | 1 | EDGE-CUTTING | |




GRAPHIC #1 g00178330

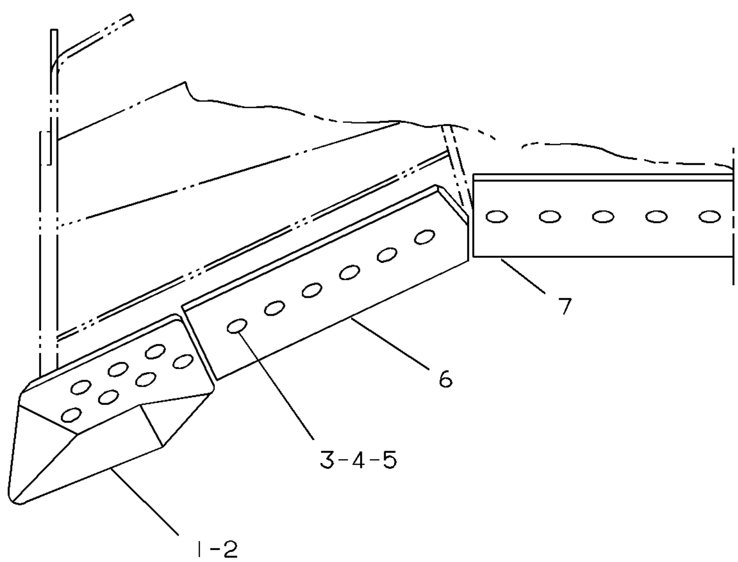
# *7T-5559* BIT & CUTTING EDGE GP

**S/N: AKA1-UP; CXB1-UP; CXL1-UP**

**PART OF 9U-8085, 9U-8086 BLADE & EDGE GP**

**SMCS-6801, 6804** **i01239366**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-4193** | 1 | BIT-END | |
| | 2 | 1 | **8E-4194** | 1 | BIT-END | |
| | 3 | 1 | **4J-9058** | 36 | BOLT-PLOW (1-8X3.25 IN) | |
| | 4 | 1 | **5P-8250** | 36 | WASHER (5.0MM THK) | |
| | 5 | 1 | **2J-3507** | 36 | NUT-FULL (1-8 THD) | |
| | 6 | 1 | **4T-6378** | 2 | EDGE-CUTTING | |
| | 7 | 1 | **9W-5232** | 2 | EDGE-CUTTING | |




GRAPHIC #1 g00183628

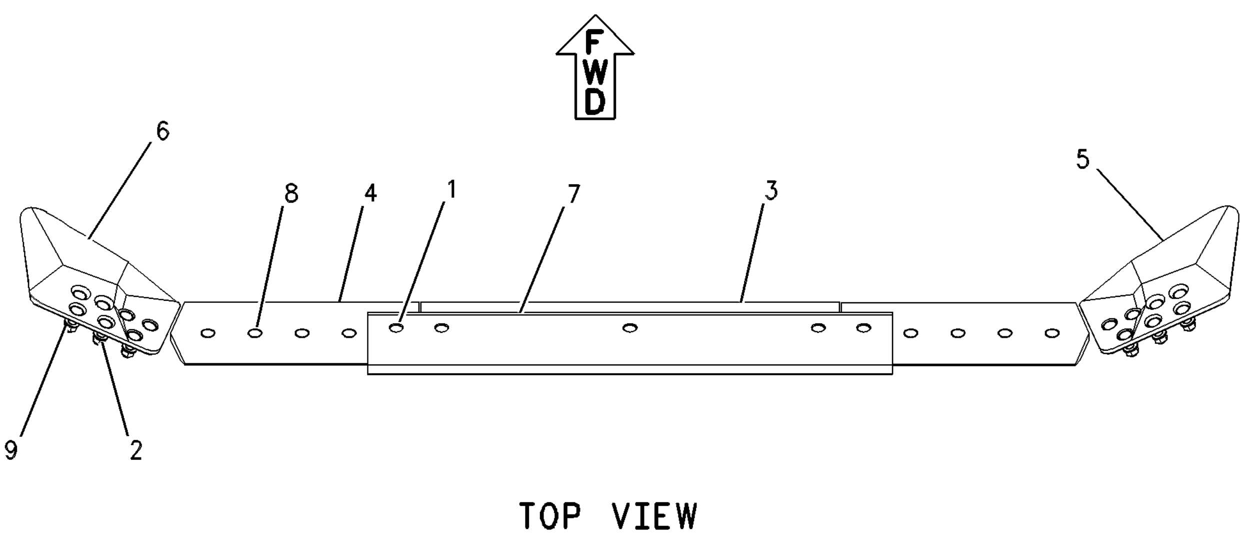
# *163-9465* BIT & CUTTING EDGE GP

**S/N: 3MP1-UP**

**PART OF 163-9464 BLADE & EDGE GP**

**SMCS-6801, 6804** **i01239762**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1J-3527** | 5 | BOLT-PLOW (1-8X4.5 IN) | |
| | 2 | 1 | **2J-3507** | 33 | NUT-FULL (1-8 THD) | |
| | 3 | 1 | **4T-6381** | 1 | EDGE-CUTTING | |
| | 4 | 1 | **6Y-5540** | 2 | EDGE-CUTTING | |
| | 5 | 1 | **8E-4193** | 1 | BIT-END-RH | |
| | 6 | 1 | **8E-4194** | 1 | BIT-END-LH | |
| | 7 | 1 | **151-2985** | 1 | EDGE-CUTTING | |
| | 8 | 1 | **4J-9058** | 28 | BOLT-PLOW (1-8X3.25 IN) | |
| | 9 | 1 | **5P-8250** | 33 | WASHER (5.0MM THK) | |




GRAPHIC #1

g00662947

# *9U-8083* BLADE & EDGE GP

**S/N: BHW1-UP**

**SEMI-UNIVERSAL**

**PART OF 8E-6151 BLADE GP-SEMI-UNIVERSAL**

**SMCS-6060** **i00596803**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *7T-5558* | 1 | BIT & CUTTING EDGE GP | 705 |
| Y | **8E-6154** | 1 | BLADE AS-SEMI-UNIVERSAL | 718 |

Y-SEPARATE ILLUSTRATION

# *9U-8085* BLADE & EDGE GP

**S/N: CXB1-UP; CXL1-UP**

**PART OF 8E-6150 BLADE GP-UNIVERSAL**

**SMCS-6060** **i01239362**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *7T-5559* | 1 | BIT & CUTTING EDGE GP | 706 |
| Y | **8E-6187** | 1 | BLADE AS-UNIVERSAL | 722 |

Y-SEPARATE ILLUSTRATION

# *9U-8086* BLADE & EDGE GP

**S/N: AKA1-UP**

**SMCS-6060** **i01254779**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *7T-5559* | 1 | BIT & CUTTING EDGE GP | 706 |
| Y | **8E-7226** | 1 | BLADE AS-UNIVERSAL | 723 |

Y-SEPARATE ILLUSTRATION

# *9U-8087* BLADE & EDGE GP

**S/N: AKA1-UP**

**SEMI-UNIVERSAL WITH ROCK GUARD AND WEAR PLATES**

**SMCS-6060** **i01256643**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *7T-5558* | 1 | BIT & CUTTING EDGE GP | 705 |
| Y | **8E-7224** | 1 | BLADE AS-SEMI-UNIVERSAL | 720 |

Y-SEPARATE ILLUSTRATION

# *9U-8088* BLADE & EDGE GP

**S/N: AKA1-UP**

**SEMI-UNIVERSAL WITH PUSH PLATE**

**SMCS-6060** **i00571877**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *7T-5558* | 1 | BIT & CUTTING EDGE GP | 705 |
| Y | **8E-7225** | 1 | BLADE AS-SEMI-UNIVERSAL | 721 |

Y-SEPARATE ILLUSTRATION

# *135-1914* BLADE & EDGE GP

S/N: AKA1-UP

SMCS-6060 i01441871

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **193-8572** | 1 | BLADE AS | 717 |
| | | | | |
| M | **7X-2552** | 5 | BOLT (M16X2X30MM) | |
| | **6J-3774** | 2 | PIN | |
| | **159-8807** | 1 | PIN | |
| | **4J-5401** | 1 | RETAINER | |
| | **7T-6850** | 2 | RETAINER | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

# *151-1150* BLADE & EDGE GP

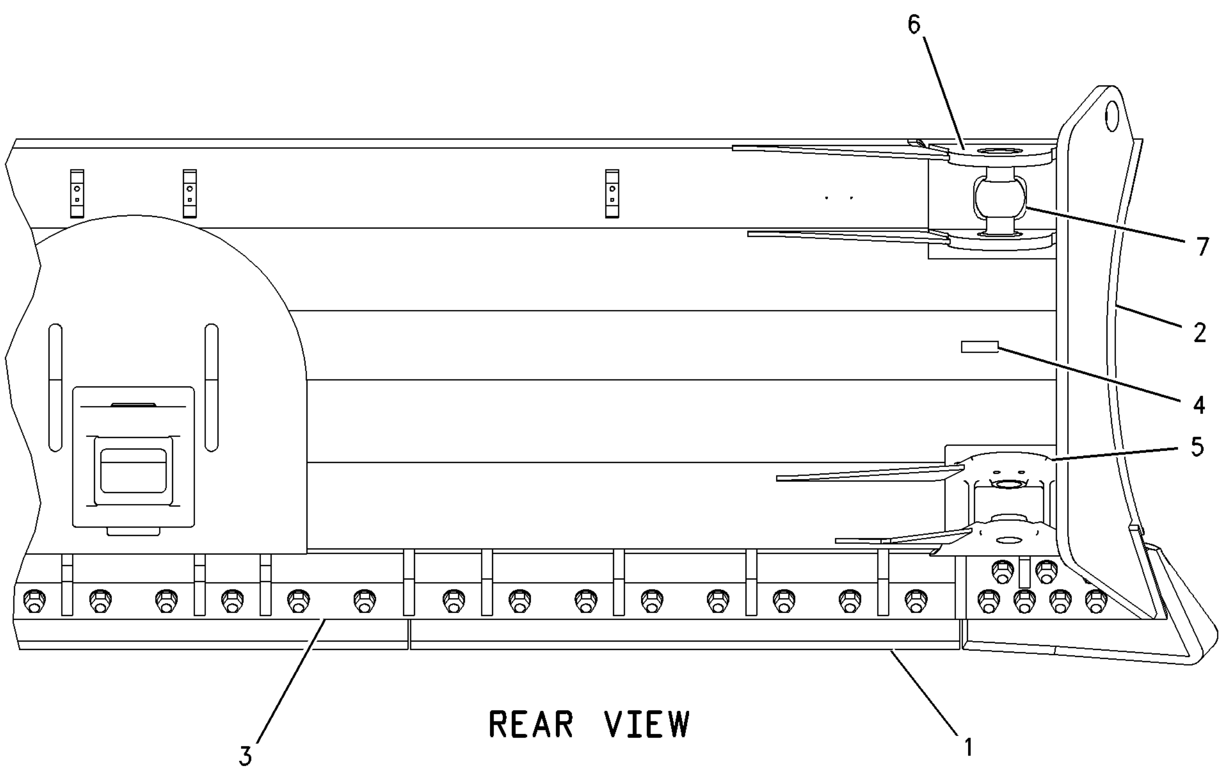
**S/N: AKA1-UP; BHR1-UP**

**PART OF 193-8572 BLADE AS, 151-1151 BLADE GP-ANGLING**

**SMCS-6060** **i01397578**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *135-9374* | 1 | EDGE GP-CUTTING | 727 |
| | 2 | 1 | **143-3553** | 1 | BLADE AS | |
| | 3 | 1 | **147-3527** | 1 | SUPPORT | |
| | 4 | 1 | **8P-9770** | 1 | PLATE | |
| | 5 | 1 | **146-9505** | 2 | BRACKET | |
| | 6 | 1 | **146-9506** | 2 | BRACKET AS | |
| | | | | | (EACH INCLUDES) | |
| | 7 | 1 | **4J-2043** | 1 | TRUNNION | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00647861

# *163-9464* BLADE & EDGE GP

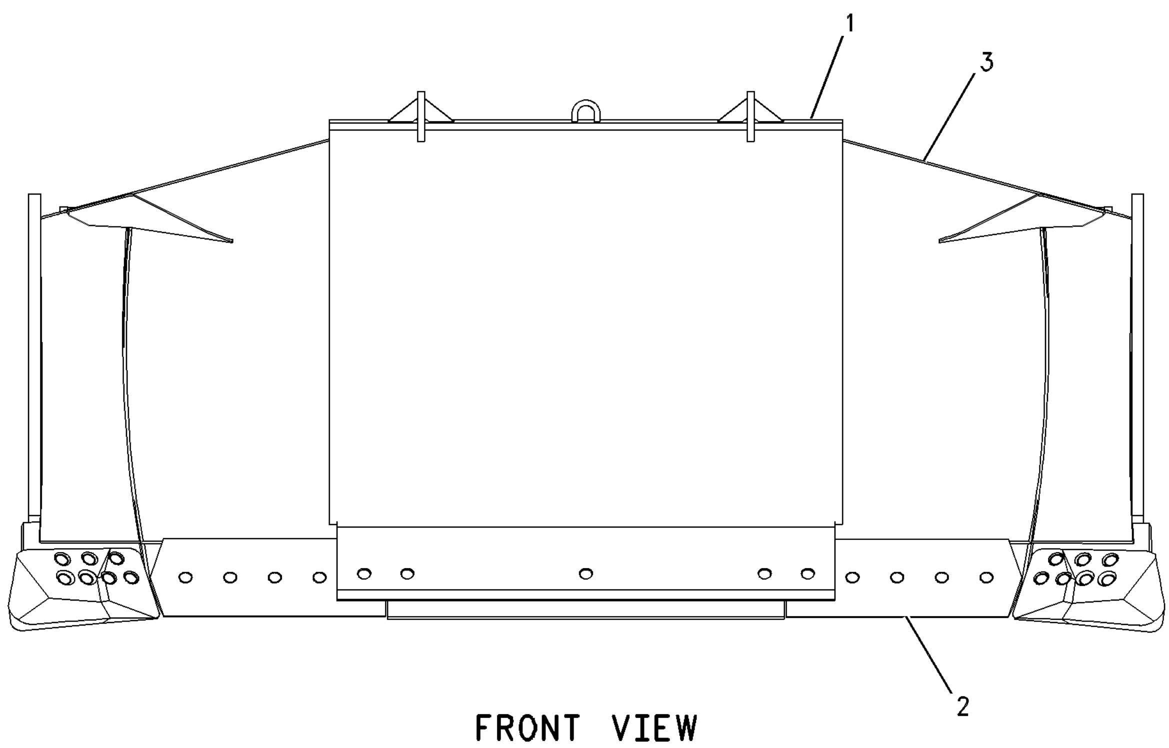
**S/N: 3MP1-UP**

**PART OF 163-9463 BULLDOZER AR**

**SMCS-6060** **i01239755**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *151-2979* | 1 | BLOCK GP-PUSH | 672 |
| Y | 2 | 1 | *163-9465* | 1 | BIT & CUTTING EDGE GP | 707 |
| Y | 3 | 1 | **163-9466** | 1 | BLADE AS | 716 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00662930

# 163-9466 BLADE AS

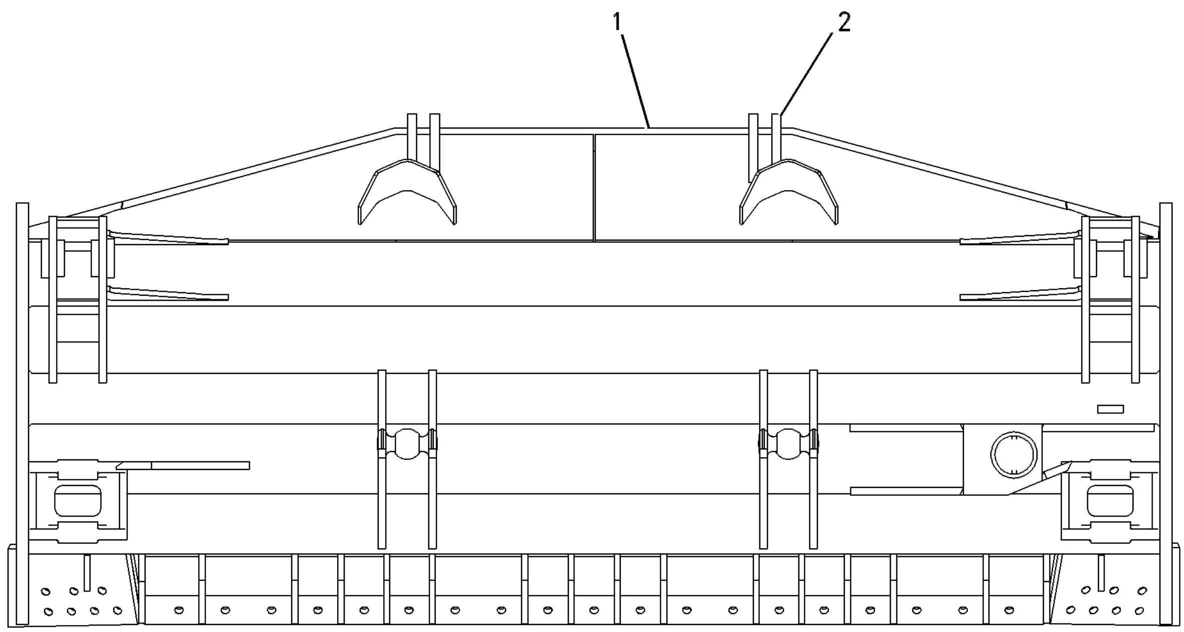
**S/N: 3MP1-UP**

**PART OF 163-9464 BLADE & EDGE GP**

**SMCS-6060** **i01239745**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **8E-6154** | 1 | BLADE AS-SEMI-UNIVERSAL | 718 |
| | 2 | 1 | **151-3004** | 4 | BRACKET | |

Y-SEPARATE ILLUSTRATION




REAR VIEW

GRAPHIC #1 g00662938

# *193-8572* BLADE AS

**S/N: AKA1-UP**

**PART OF 135-1914 BLADE & EDGE GP**

**SMCS-6060** **i01441933**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *151-1150* | 1 | BLADE & EDGE GP | 714 |
| | | | | |
| | **135-1915** | 1 | SCREEN AS | |

Y-SEPARATE ILLUSTRATION

## *8E-6154* BLADE AS-SEMI-UNIVERSAL

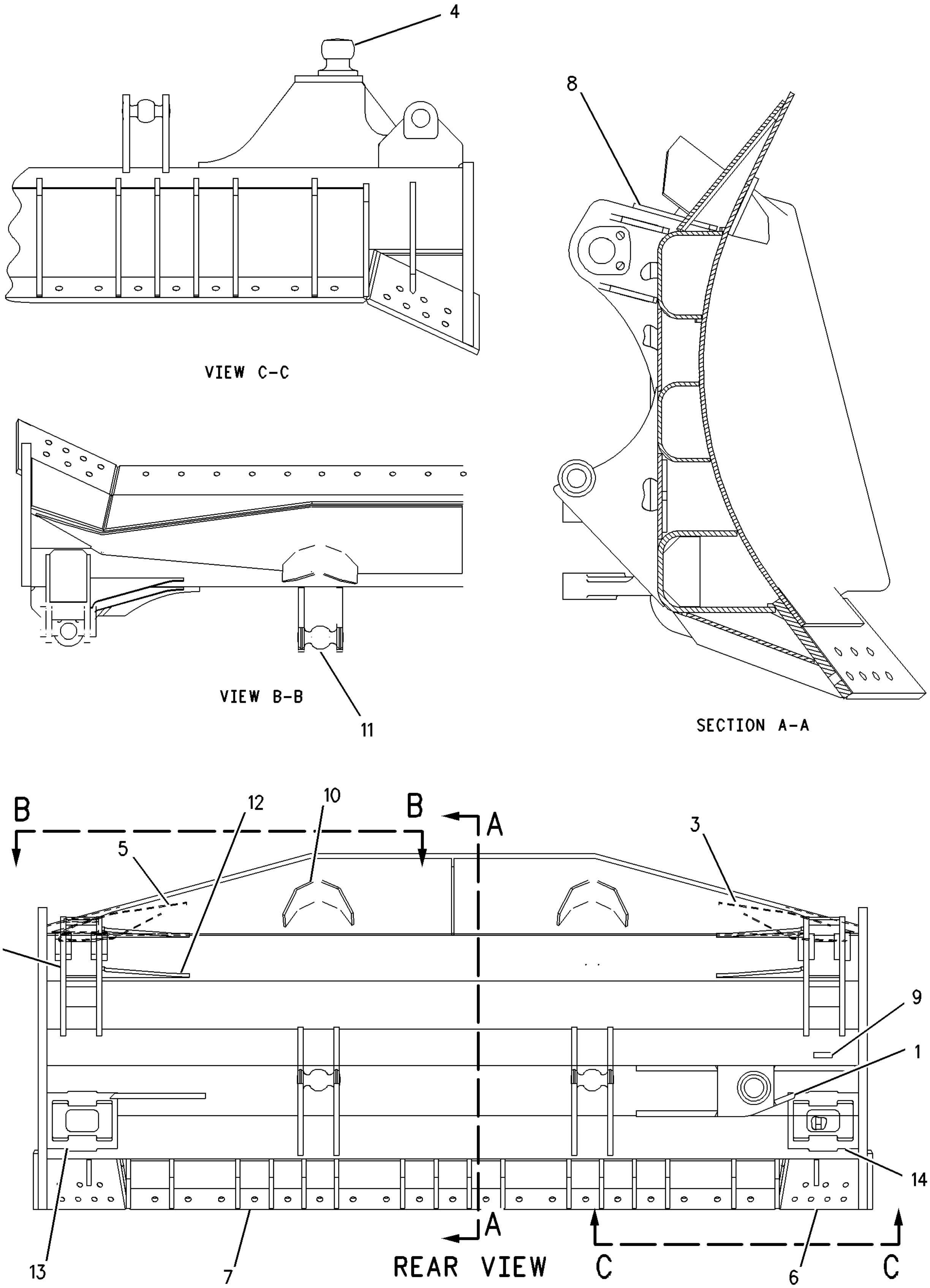
**S/N: AKA1-UP; 3MP1-UP; BHW1-UP**

**PART OF 9U-8083 BLADE & EDGE GP, 163-9466 BLADE AS, 8E-7224, 8E-7225 BLADE AS-SEMI-UNIVERSAL**

**SMCS-6060** **i01488377**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8E-6155** | 1 | BRACKET AS-RH | |
| | 2 | 1 | **8E-6156** | 1 | BRACKET AS-LH | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3G-9995** | 1 | PLATE | |
| | 3 | 1 | **1U-4961** | 1 | PLATE-RH | |
| | 4 | 1 | **110-4206** | 1 | TRUNNION AS | |
| | 5 | 1 | **1U-4962** | 1 | PLATE-LH | |
| | 6 | 1 | **6I-8403** | 2 | SUPPORT-OUTER | |
| | 7 | 1 | **7T-5936** | 1 | SUPPORT-CENTER | |
| | 8 | 1 | **8E-6160** | 2 | PLATE | |
| | 9 | 1 | **8P-9770** | 1 | PLATE | |
| | 10 | 1 | **9J-6058** | 2 | DEFLECTOR | |
| | 11 | 1 | **9J-0123** | 2 | TRUNNION | |
| | 12 | 1 | **8E-6161** | 4 | GUSSET-LH | |
| | 13 | 1 | **8E-6166** | 1 | BRACKET-LH | |
| | 14 | 1 | **8E-6165** | 1 | BRACKET-RH | |

*8E-6154* **BLADE AS-SEMI-UNIVERSAL** ***(contd.)*** **i01488377**




GRAPHIC #1 g00696873

## *8E-7224* BLADE AS-SEMI-UNIVERSAL

**S/N: AKA1-UP**

**SEMI-UNIVERSAL WITH ROCK GUARD AND WEAR PLATES**

**PART OF 9U-8087 BLADE & EDGE GP**

**SMCS-6060** **i01440929**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-6154** | 1 | BLADE AS-SEMI-UNIVERSAL | 718 |
| Y | *8E-1497* | 1 | GUARD GP-ROCK | 688 |
| Y | *9W-2707* | 1 | PLATE GP-WEAR | 728 |

Y-SEPARATE ILLUSTRATION

# 8E-7225 BLADE AS-SEMI-UNIVERSAL

**S/N: AKA1-UP**

**WITH PUSH PLATE**

**PART OF 9U-8088 BLADE & EDGE GP**

**SMCS-6060** **i00570969**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-6154** | 1 | BLADE AS-SEMI-UNIVERSAL | 718 |

Y-SEPARATE ILLUSTRATION

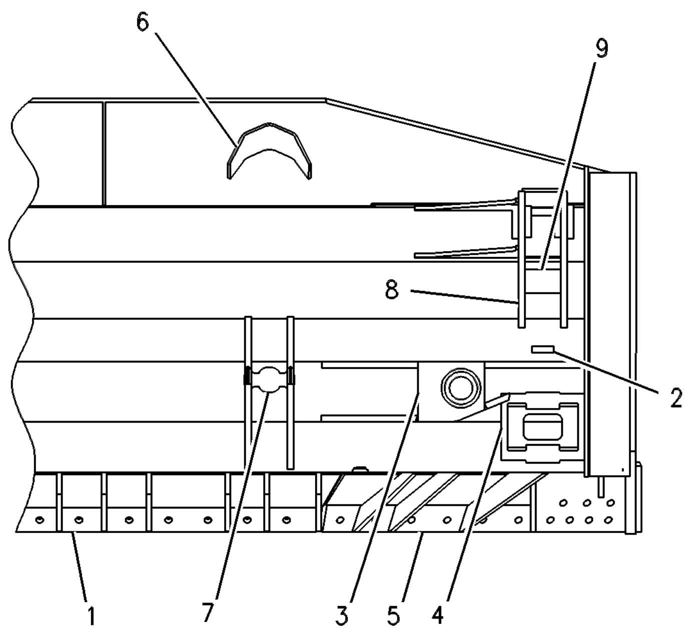
# 8E-6187 BLADE AS-UNIVERSAL

S/N: AKA1-UP; CXB1-UP; CXL1-UP

PART OF 9U-8085 BLADE & EDGE GP, 8E-7226 BLADE AS-UNIVERSAL

SMCS-6053, 6060 i01488363

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-7831** | 1 | SUPPORT | |
| | 2 | 1 | **8P-9770** | 1 | PLATE | |
| | 3 | 1 | **110-4206** | 1 | TRUNNION AS | |
| | 4 | 1 | **8E-6165** | 1 | BRACKET-RH | |
| | | 1 | **8E-6166** | 1 | BRACKET-LH | |
| | 5 | 1 | **6I-8402** | 2 | SUPPORT | |
| | 6 | 1 | **9J-6058** | 2 | DEFLECTOR | |
| | 7 | 1 | **9J-0123** | 2 | TRUNNION | |
| | 8 | 1 | **8E-6155** | 1 | BRACKET AS-RH | |
| | | 1 | **8E-6156** | 1 | BRACKET AS-LH | |
| | | | | | (EACH BRACKET AS INCLUDES) | |
| | 9 | 1 | **3G-9995** | 1 | PLATE | |




GRAPHIC #1 g00273233

# 8E-7226 BLADE AS-UNIVERSAL

**S/N: AKA1-UP**

**PART OF 9U-8086 BLADE & EDGE GP**

**SMCS-6053, 6060** **i01254756**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **8E-6187** | 1 | BLADE AS-UNIVERSAL | 722 |
| Y | *8E-4205* | 1 | GUARD GP-ROCK | 689 |

Y-SEPARATE ILLUSTRATION

# *151-1151* BLADE GP-ANGLING

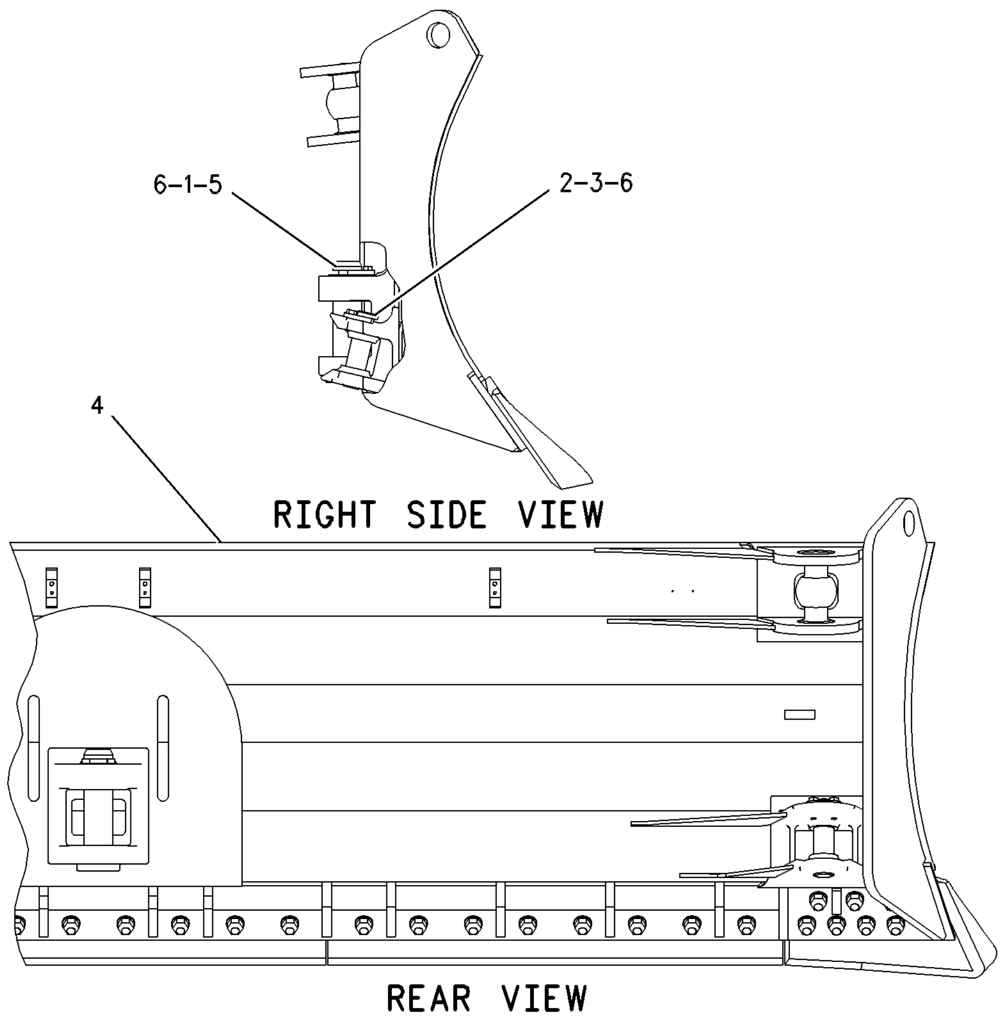
S/N: BHR1-UP

PART OF 159-8377, 159-8378 BULLDOZER AR

SMCS-6052, 6060 i01397572

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4J-5401** | 1 | RETAINER | |
| | 2 | 1 | **6J-3774** | 2 | PIN | |
| | 3 | 1 | **7T-6850** | 2 | RETAINER | |
| Y | 4 | 1 | *151-1150* | 1 | BLADE & EDGE GP | 714 |
| | 5 | 1 | **159-8807** | 1 | PIN | |
| M | 6 | 1 | **7X-2552** | 5 | BOLT (M16X2X30MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00538747

# *8E-6151* BLADE GP-SEMI-UNIVERSAL

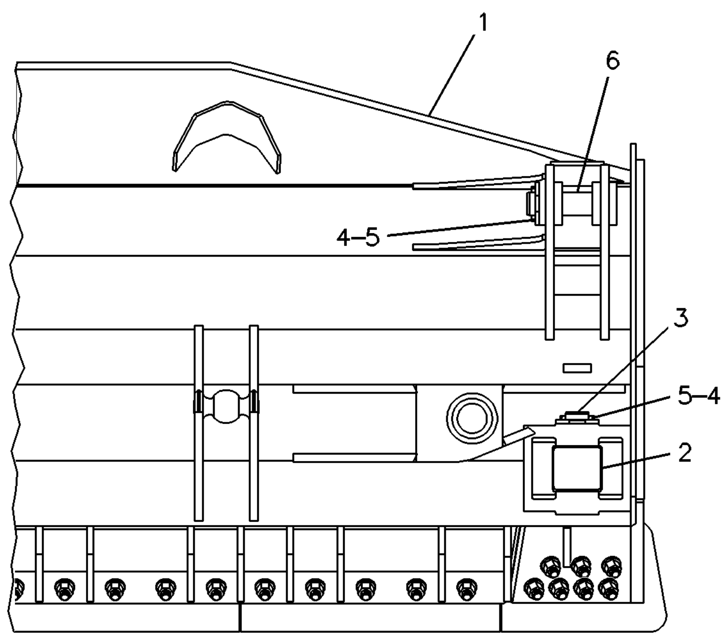
**S/N: BHW1-UP**

**PART OF 159-1628 BULLDOZER AR-SEMI-UNIVERSAL**

**SMCS-6060, 6078** **i00570910**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *9U-8083* | 1 | BLADE & EDGE GP | 708 |
| | 2 | 1 | **8E-6758** | 2 | CONNECTOR AS | |
| | 3 | 1 | **4T-7534** | 2 | PIN | |
| | 4 | 1 | **6J-5179** | 4 | RETAINER | |
| M | 5 | 1 | **7X-2574** | 8 | BOLT | |
| | 6 | 1 | **1U-2472** | 2 | PIN | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00222840

# *8E-6150* BLADE GP-UNIVERSAL

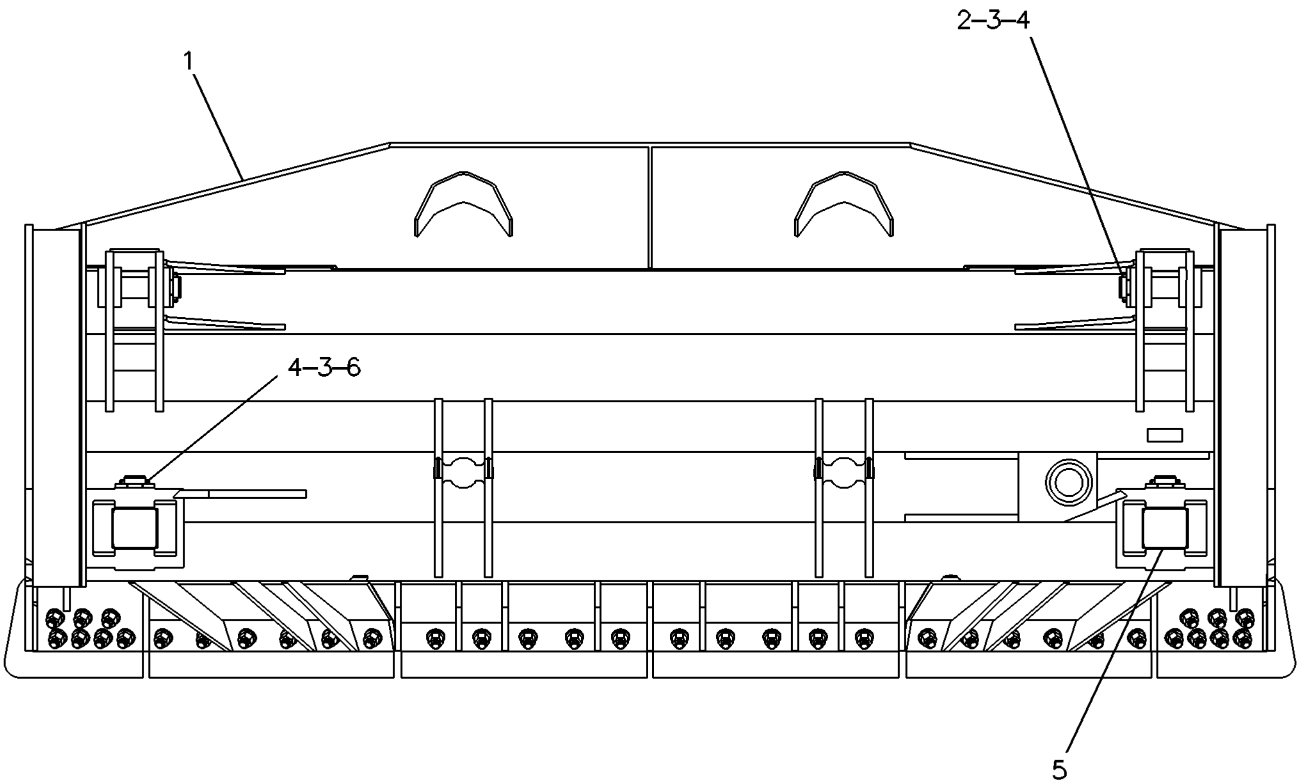
S/N: CXB1-UP; CXL1-UP

PART OF 159-1633 BULLDOZER AR, 159-1629 BULLDOZER AR-UNIVERSAL

SMCS-6053, 6060 i01239353

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | *9U-8085* | 1 | BLADE & EDGE GP | 709 |
| | 2 | 1 | **1U-2472** | 2 | PIN | |
| | 3 | 1 | **6J-5179** | 4 | RETAINER | |
| M | 4 | 1 | **7X-2574** | 8 | BOLT | |
| | 5 | 1 | **8E-6758** | 2 | CONNECTOR AS | |
| | 6 | 1 | **4T-7534** | 2 | PIN | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00222832

# *135-9374* EDGE GP-CUTTING

**S/N: AKA1-UP; BHR1-UP**

**PART OF 151-1150 BLADE & EDGE GP**

**SMCS-6801** **i01397586**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **8E-4193** | 1 | BIT-END (RH) | |
| | **8E-4194** | 1 | BIT-END (LH) | |
| | **4J-9058** | 38 | BOLT-PLOW (1-8X3.25 IN) | |
| | **135-9373** | 3 | EDGE-CUTTING | |
| | **2J-3507** | 38 | NUT-FULL (1-8 THD) | |
| | **5P-8250** | 38 | WASHER (28X49X5MM THK) | |

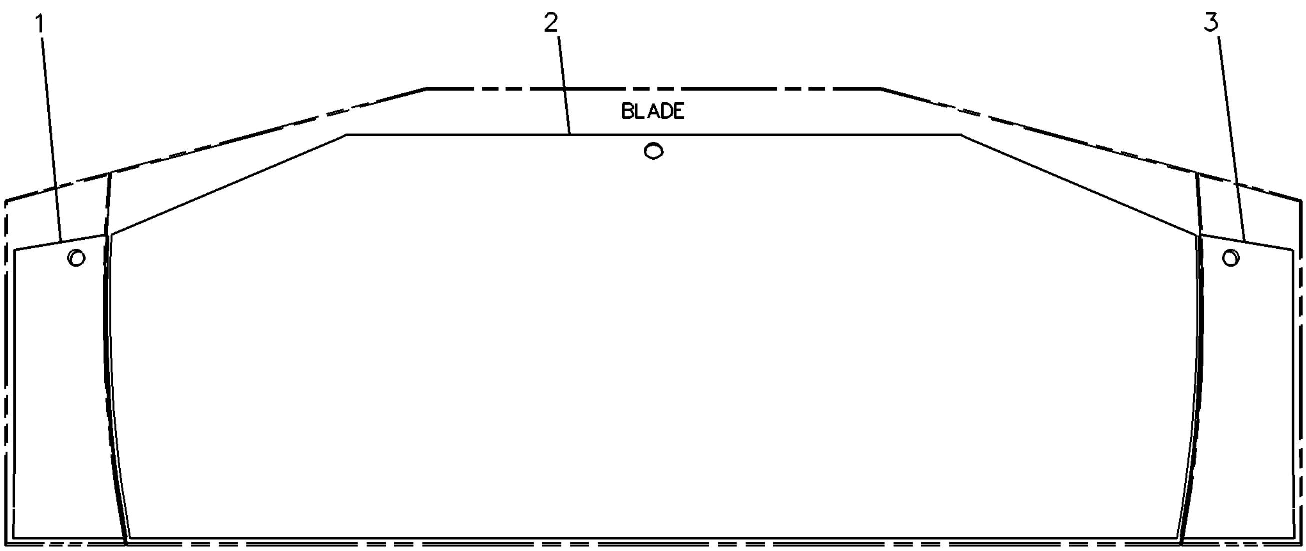
# *9W-2707* PLATE GP-WEAR

**S/N: AKA1-UP**

**PART OF 8E-7224 BLADE AS-SEMI-UNIVERSAL**

**SMCS-6820** **i01440966**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9W-2760** | 1 | PLATE-LH | |
| | 2 | 1 | **9W-1771** | 1 | PLATE-WEAR | |
| | 3 | 1 | **9W-2757** | 1 | PLATE-RH | |




REAR VIEW

GRAPHIC #1 g00224190

# *153-3132* RIPPER GP

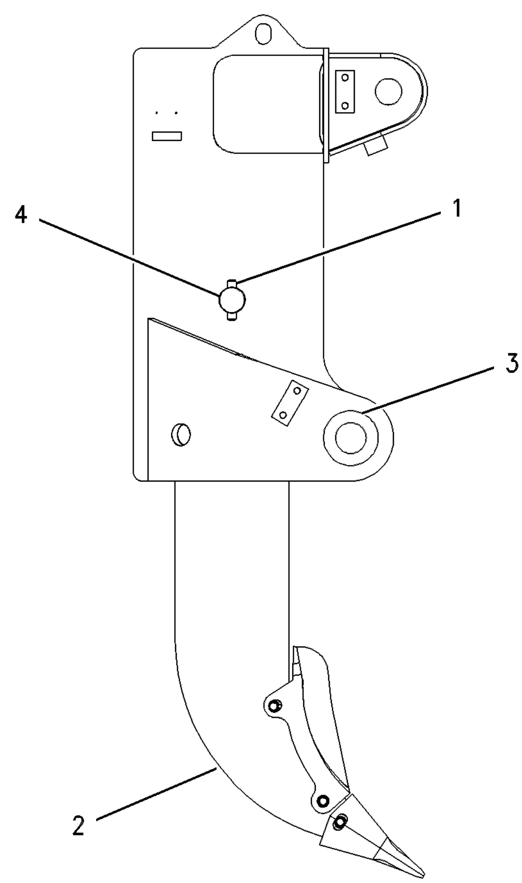
**S/N: BHD1-UP**

**PART OF 153-3130 RIPPER AR**

**SMCS-6311, 6312, 6315, 6316, 6325** **i01442169**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4T-2479** | 2 | PIN AS | |
| | | 1 | **5J-3576** | 1 | SPRING | |
| Y | 2 | 1 | *4T-8986* | 1 | TOOTH GP-RIPPER | 731 |
| | 3 | 1 | **154-3230** | 1 | CARRIAGE AS | |
| | | 1 | **8P-9770** | 1 | PLATE | |
| | | 1 | **133-6614** | 1 | BOSS | |
| | 4 | 1 | **6J-6703** | 1 | PIN | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00528119

# *4T-0137* TOOTH GP-RIPPER

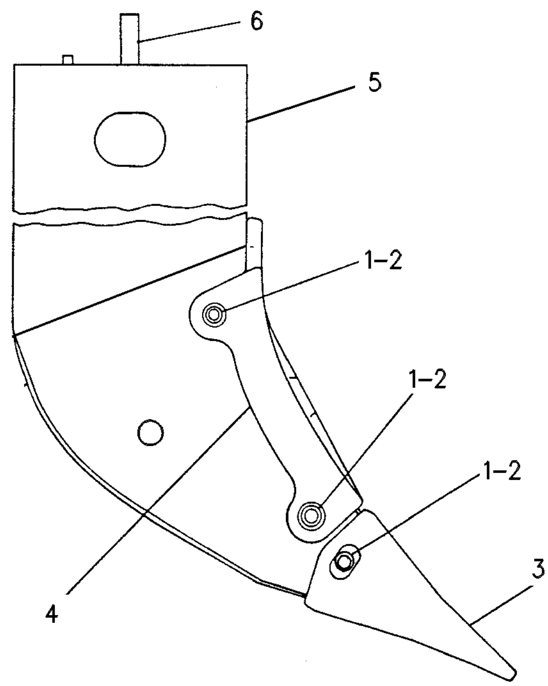
S/N: AKA1-UP

DEEP RIPPING SHANK

SMCS-6808, 6810 i01256394

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| C | 1 | 1 | **6Y-3394** | 3 | PIN-G.E.T. | |
| C | 2 | 1 | **8E-4743** | 3 | RETAINER-G.E.T. | |
| | 3 | 1 | **9W-2451** | 1 | TIP-RIPPER | |
| | 4 | 1 | **8E-1848** | 1 | PROTECTOR | |
| C | 5 | 1 | **8E-5340** | 1 | SHANK AS-RIPPER | |
| | 6 | 1 | **3G-5596** | 1 | LUG | |

C-CHANGE FROM PREVIOUS TYPE




GRAPHIC #1 g00247217

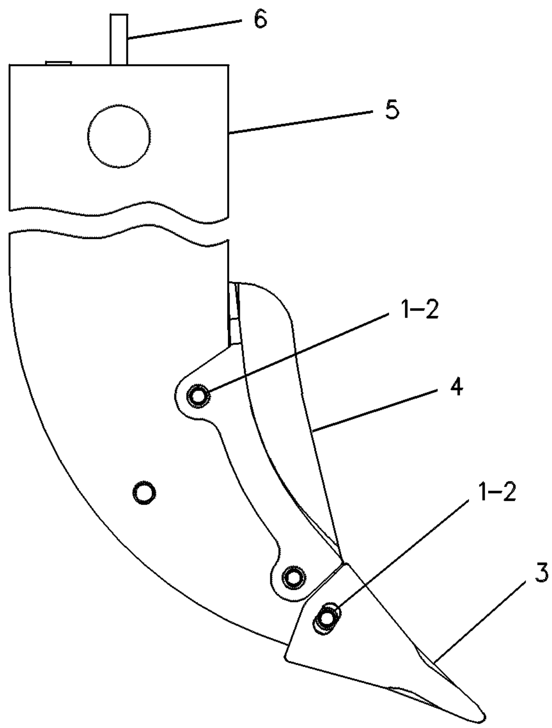
# *4T-8986* TOOTH GP-RIPPER

**S/N: BHD1-UP**

**PART OF 153-3132 RIPPER GP**

**SMCS-6808, 6810** **i00570526**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6Y-3394** | 3 | PIN-G.E.T. | |
| | 2 | 1 | **8E-4743** | 3 | RETAINER-G.E.T. | |
| | 3 | 1 | **9W-2451** | 1 | TIP-RIPPER | |
| | 4 | 1 | **8E-1848** | 1 | PROTECTOR | |
| | 5 | 1 | **8E-5347** | 1 | SHANK AS-RIPPER | |
| | 6 | 1 | **3G-5596** | 1 | LUG | |



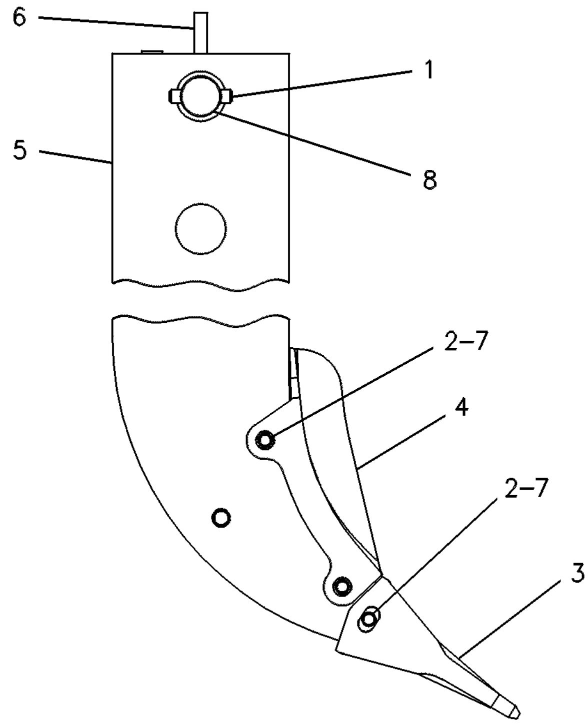

GRAPHIC #1 g00234413

# 4T-8987 TOOTH GP-RIPPER

S/N: AKA1-UP

SMCS-6808, 6810 | i00570530

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4T-2479** | 2 | PIN AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **5J-3576** | 1 | SPRING | |
| | 2 | 1 | **6Y-3394** | 3 | PIN-G.E.T. | |
| | 3 | 1 | **9W-2452** | 1 | TIP-RIPPER | |
| | 4 | 1 | **8E-1848** | 1 | PROTECTOR | |
| | 5 | 1 | **8E-5346** | 1 | SHANK AS-RIPPER | |
| | 6 | 1 | **3G-5596** | 1 | LUG | |
| | 7 | 1 | **8E-4743** | 3 | RETAINER-G.E.T. | |
| | 8 | 1 | **6J-6680** | 1 | PIN | |




GRAPHIC #1

g00234302

# OPERATOR STATION

## *158-2959* AIR CONDITIONER AR

**S/N: AKA1-UP**

**R-134A REFRIGERANT**

**CANNOT BE USED WITH 157-8035—PAGE 9**

**SMCS-7320** **i01445736**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *108-0720* | 1 | AIR CONDITIONER GP | 736 |
| Y | *159-7301* | 1 | COMPRESSOR GP-REFRIGERANT | 750 |
| Y | *109-9941* | 1 | CONDENSER & MTG GP-REFRIGERANT | 752 |
| Y | *159-3969* | 1 | LINES GP-AIR CONDITIONER | 790 |
| | | | | |
| | **110-6393** | 1 | PLATE-INSTRUCTION (AIR CONDITIONER) | |
| | | | ON LH SIDE OF DASH APPROXIMATELY 250MM ABOVE FLOOR AND 10MM IN FRONT OF DASH REAR EDGE | |
| | *125-9257* | 1 | SWITCH AS-ROCKER | |
| | **3E-8825** | 2 | LAMP (24 VOLT) | |
| | **3E-8857** | 1 | SWITCH AS | |
| | **126-1699** | 1 | ACTUATOR-ROCKER | |

Y-SEPARATE ILLUSTRATION

# *158-2960* AIR CONDITIONER AR

**S/N: AKA1-UP**

**R-134A REFRIGERANT WITH ROMOTE MOUNTED CONDENSER**

**SMCS-7320** **i01445980**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *108-0720* | 1 | AIR CONDITIONER GP | 736 |
| Y | *159-7301* | 1 | COMPRESSOR GP-REFRIGERANT | 750 |
| Y | **103-9527** | 1 | CONDENSER GP-REFRIGERANT | 754 |
| Y | *159-3968* | 1 | LINES GP-AIR CONDITIONER | 786 |
| Y | *133-2259* | 1 | MIRROR GP | 796 |
| | | | | |
| | **110-6393** | 1 | PLATE-INSTRUCTION (AIR CONDITIONER) | |
| | | | ON LH SIDE OF DASH APPROXIMATELY 250MM ABOVE FLOOR AND 10MM IN FRONT OF DASH REAR EDGE | |
| | *125-9257* | 1 | SWITCH AS-ROCKER | |
| | **3E-8825** | 2 | LAMP (24 VOLT) | |
| | **3E-8857** | 1 | SWITCH AS | |
| | **126-1699** | 1 | ACTUATOR-ROCKER | |

Y-SEPARATE ILLUSTRATION

# *158-6439* AIR CONDITIONER AR

**S/N: AKA1-UP**

**4-134A REFRIGERANT-ROPS MOUNTED**

**PART OF 143-7740 WOODCHIP AR**

**SMCS-7320** **i01446187**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *108-0720* | 1 | AIR CONDITIONER GP | 736 |
| Y | *159-7301* | 1 | COMPRESSOR GP-REFRIGERANT | 750 |
| Y | **103-9527** | 1 | CONDENSER GP-REFRIGERANT | 754 |
| Y | *159-3967* | 1 | LINES GP-AIR CONDITIONER | 782 |
| | | | | |
| | **110-6393** | 1 | PLATE-INSTRUCTION (AIR CONDITIONER) | |
| | | | ON LH SIDE OF DASH APPROXIMATELY 250MM ABOVE FLOOR AND 10MM IN FRONT OF DASH REAR EDGE | |
| | **159-8853** | 1 | ROPS AS | |
| | *125-9257* | 1 | SWITCH AS-ROCKER | |
| | **3E-8857** | 1 | SWITCH AS | |
| | **126-1699** | 1 | ACTUATOR-ROCKER | |
| | **3E-8825** | 2 | LAMP (24 VOLT) | |

Y-SEPARATE ILLUSTRATION

## *108-0720* AIR CONDITIONER GP

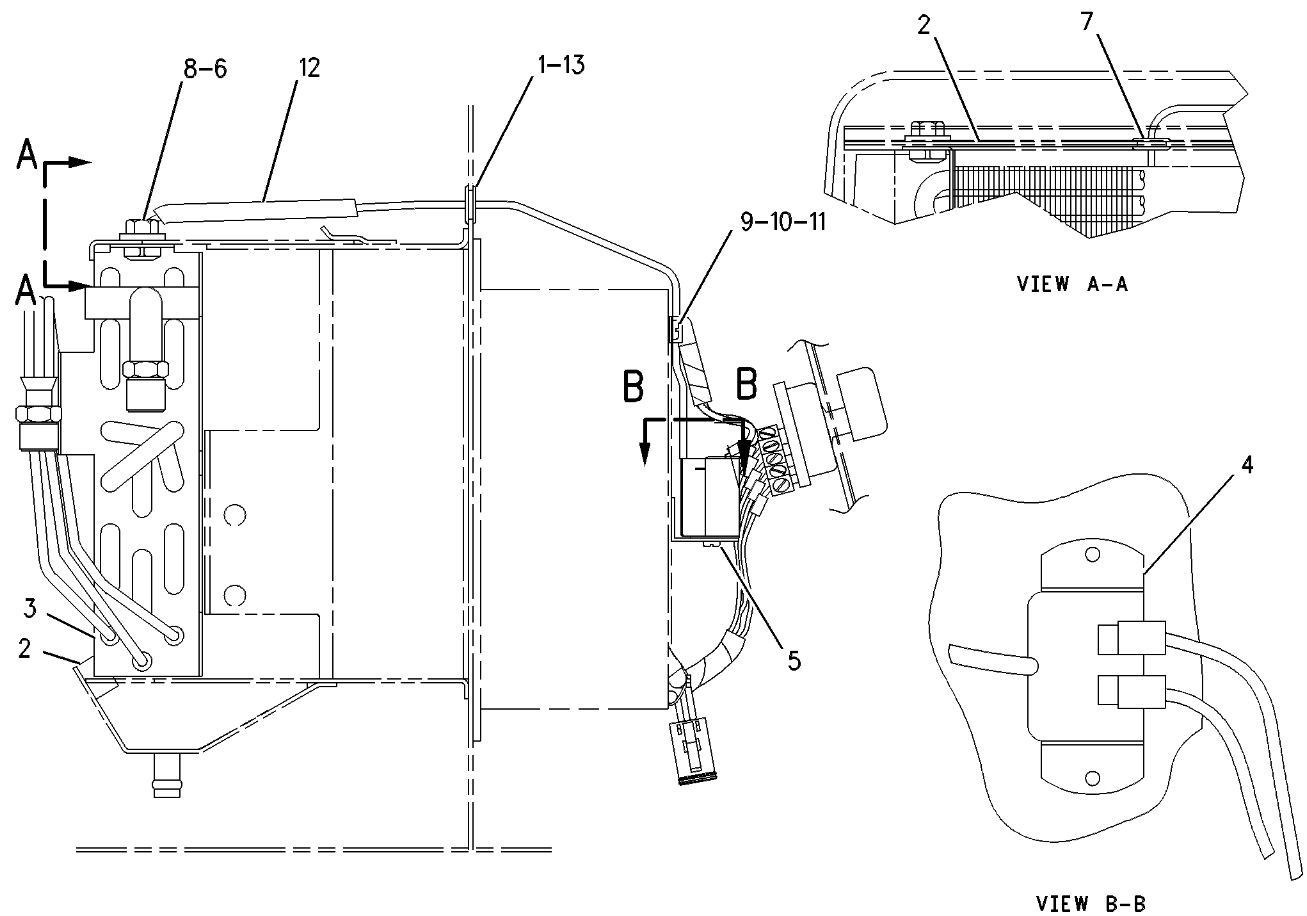
**S/N: AKA1-UP**

**PART OF 158-2959, 158-2960, 158-6439 AIR CONDITIONER AR**

**SMCS-7320** **i01093699**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| B | 1 | 1 | **6K-9555** | 1 | GROMMET | |
| BD | 2 | 1 | **5P-5643** | | SEAL | |
| | 3 | 1 | **109-6406** | 1 | COIL AS | |
| | 4 | 1 | **3E-5464** | 1 | SWITCH AS-THERMOSTAT | |
| | 5 | 1 | **6L-7159** | 2 | SCREW-MACHINE (8-32X.313 IN) | |
| M | 6 | 1 | **8T-4191** | 2 | BOLT (M10X1.50X16MM) | |
| | 7 | 1 | **2V-1937** | 1 | GROMMET | |
| | 8 | 1 | **5P-1075** | 2 | WASHER-HARD (3MM THK) | |
| | 9 | 1 | **1V-3113** | 1 | CLIP | |
| | 10 | 1 | **2A-3211** | 1 | WASHER (0.8MM THK) | |
| | 11 | 1 | **7S-4346** | 1 | SCREW-MACHINE | |
| D | 12 | 1 | **5P-5992** | | HOSE (.1M) | |
| B | 13 | 1 | **2V-1937** | 1 | GROMMET | |

B-USE AS REQUIRED
D-ORDER BY THE METER
M-METRIC PART




GRAPHIC #1 g00547149

# MEMORANDA

# *159-0653* BLOWER GP-CAB

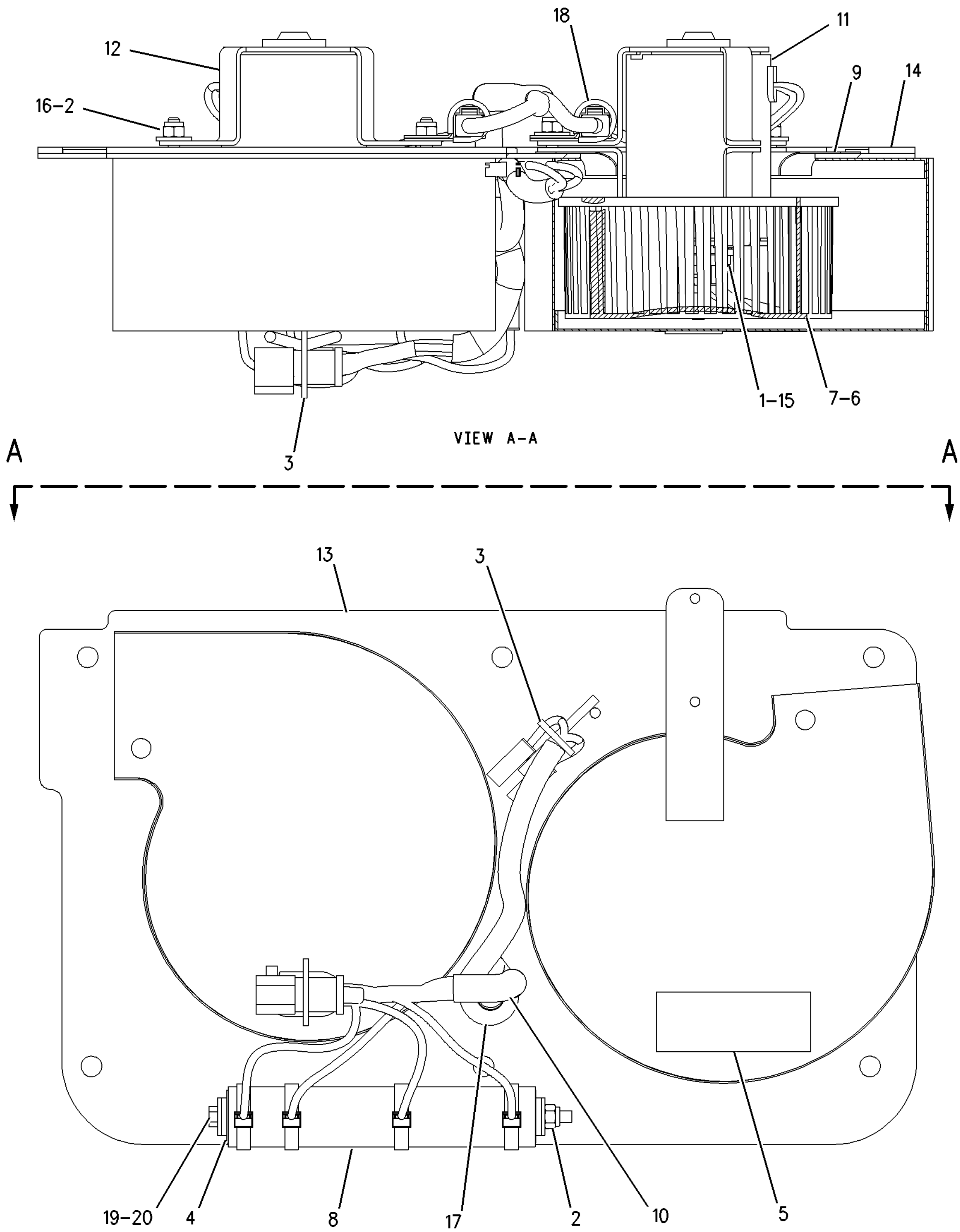
**S/N: AKA1-UP**

**PART OF 159-0725 PRESSURIZER GP-CAB**

**SMCS-7316** **i01447146**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1M-1230** | 4 | NUT & LOCK AS | |
| | 2 | 1 | **3E-9865** | 7 | LOCKNUT (1/4-20 THD) | |
| | 3 | 1 | **3S-2093** | 2 | STRAP-CABLE | |
| | 4 | 1 | **6T-6708** | 2 | WASHER (7X28.6X4.1MM THK) | |
| | 5 | 1 | **8C-3756** | 1 | FILM-IDENTIFICATION (GROUP & SEQUENCE NO.) | |
| | 6 | 1 | **037-4838** | 2 | CLAMP | |
| | 7 | 1 | **118-5195** | 2 | WHEEL-BLOWER | |
| | 8 | 1 | **125-9740** | 1 | RESISTOR | |
| | 9 | 1 | **132-6534** | 2 | PLATE-ORIFICE | |
| | 10 | 1 | **172-9290** | 1 | HARNESS AS | |
| | | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2270** | 2 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | 11 | 1 | **174-1504** | 2 | MOTOR AS | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **9W-0852** | 2 | PIN-CONNECTOR | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 12 | 1 | **175-0070** | 4 | BRACKET | |
| | 13 | 1 | **176-2504** | 1 | PLATE AS | |
| | 14 | 1 | **176-2505** | 1 | GASKET | |
| | 15 | 1 | **4B-4274** | 4 | WASHER (5.5X13X1.2MM THK) | |
| | 16 | 1 | **5P-4115** | 6 | WASHER-HARD (7.2X19X2MM THK) | |
| | 17 | 1 | **5P-8441** | 1 | GROMMET | |
| | 18 | 1 | **6D-4246** | 2 | CLIP | |
| | 19 | 1 | **6V-1668** | 2 | WASHER (6.5X29.1X3MM THK) | |
| | 20 | 1 | **6V-3320** | 1 | SCREW-MACHINE (1/4-20X7.50 IN) | |

*159-0653* **BLOWER GP-CAB** ***(contd.)*** **i01447146**




GRAPHIC #1

g00759306

# OPERATOR STATION

## *169-9648* BOTTLE GP-WINDOW WASHER—WINDSHIELD WASHER

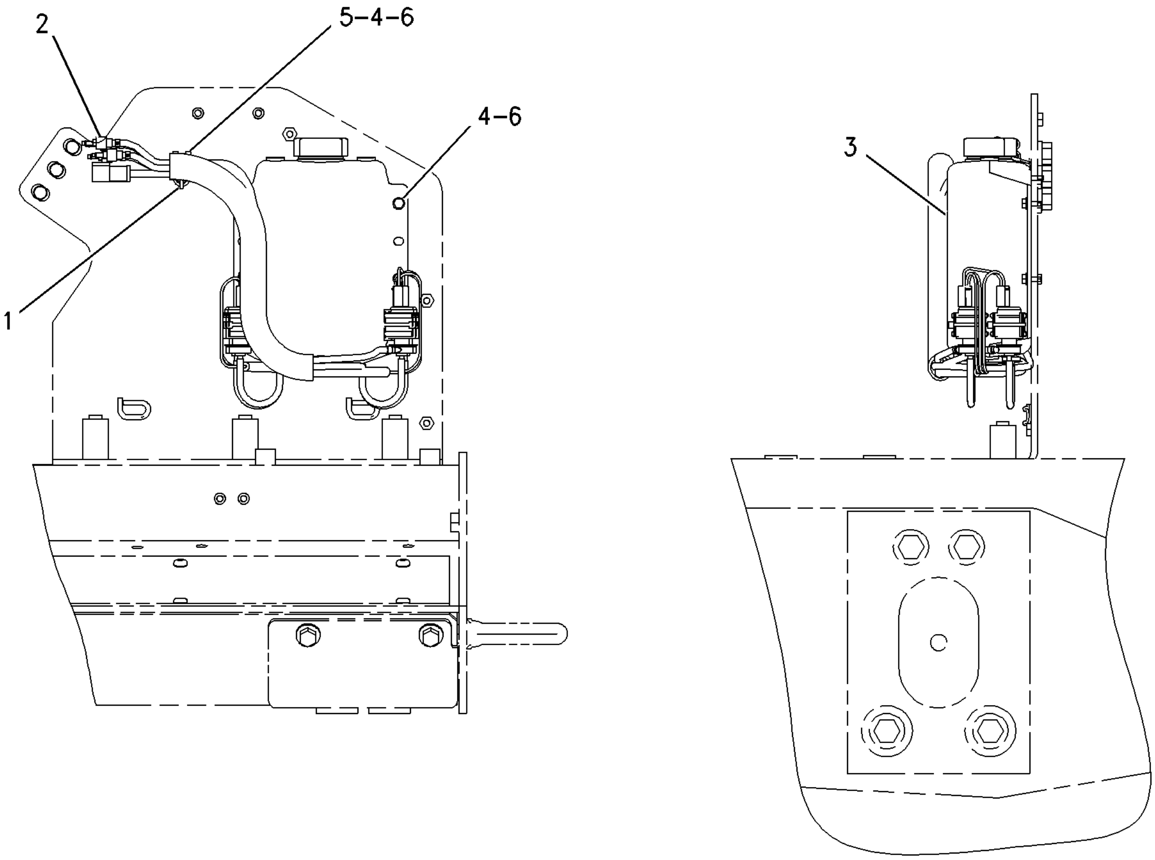
**S/N: AKA1-UP**

**PART OF 159-8367 CAB AR**

**SMCS-7306** **i01477644**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3S-2093** | 1 | STRAP-CABLE | |
| | 2 | 1 | **8T-5383** | 4 | VALVE AS-CHECK (WIPER/WASHER SYSTEM) | |
| Y | 3 | 1 | *169-9649* | 1 | BOTTLE GP-WINDOW WASHER | 742 |
| | 4 | 1 | **4M-5281** | 5 | BOLT (1/4-20X0.750 IN) | |
| | 5 | 1 | **4P-8134** | 1 | CLIP | |
| | 6 | 1 | **8T-4205** | 5 | WASHER-HARD (7.2X14.5X2MM THK) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00672058

# MEMORANDA

# 169-9649 BOTTLE GP-WINDOW WASHER

**S/N: AKA1-UP**

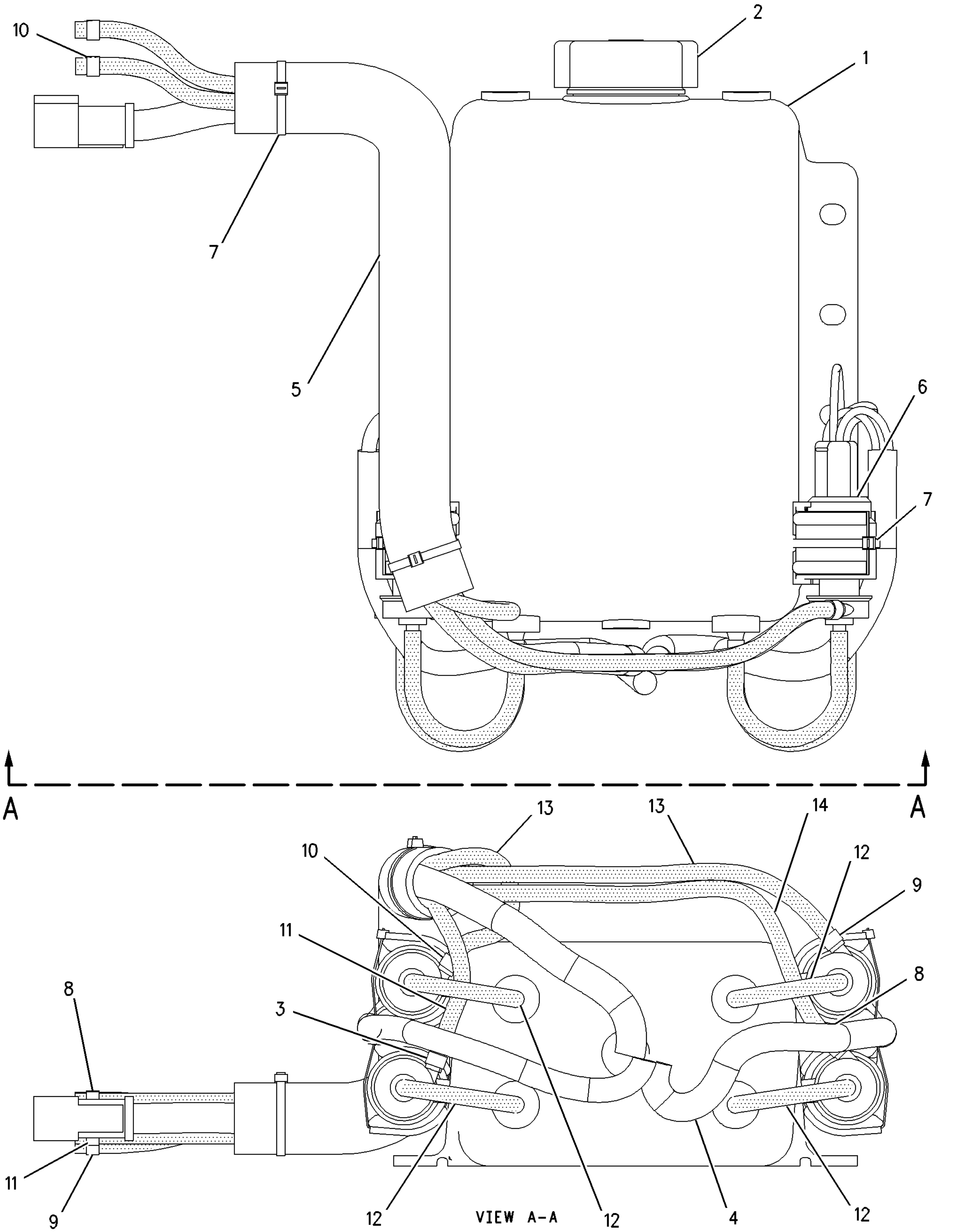
**PART OF 169-9648 BOTTLE GP-WINDOW WASHER**

**SMCS-7306** **i01477704**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **169-9650** | 1 | BOTTLE-WASHER | |
| | 2 | 1 | **8E-8292** | 1 | CAP-VENTED | |
| BE | 3 | 1 | **7X-7930** | | TAPE | |
| | 4 | 1 | **186-4857** | 1 | HARNESS AS (WATER BOTTLE) | |
| | | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| BD | 5 | 1 | **6V-5817** | | CONDUIT-FLEXIBLE | |
| | 6 | 1 | **7T-8891** | 4 | PUMP AS-WASHER | |
| | 7 | 1 | **7K-1181** | 6 | STRAP-CABLE | |
| BE | 8 | 1 | **7X-7927** | | TAPE | |
| BE | 9 | 1 | **7X-7928** | | TAPE | |
| BE | 10 | 1 | **7X-7929** | | TAPE | |
| E | 11 | 1 | **144-0195** | 1 | HOSE (64CM) | |
| E | 12 | 1 | **144-0195** | 4 | HOSE (15CM EACH) | |
| E | 13 | 1 | **144-0195** | 2 | HOSE (58CM EACH) | |
| E | 14 | 1 | **144-0195** | 1 | HOSE (59CM) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER

## 169-9649 BOTTLE GP-WINDOW WASHER *(contd.)* i01477704




GRAPHIC #1 g00745464

# OPERATOR STATION

## *158-7694* CAB AR

S/N: AKA1-UP

PART OF 159-8367 CAB AR

SMCS-7301, 7325, 7335 | i01448462

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *158-7696* | 1 | CAB GP | 746 |
| Y | *105-9657* | 1 | INSTALLATION GP-RADIO | 769 |
| Y | *158-7695* | 1 | LINER GP-CAB | 778 |
| Y | *105-9659* | 1 | MIRROR GP-REAR VIEW | 798 |
| Y | *158-7690* | 1 | WASHER GP-WINDOW | 848 |
| Y | *158-7691* | 1 | WIPER GP-WINDOW | 870 |

Y-SEPARATE ILLUSTRATION

# *159-8367* CAB AR

**S/N: AKA1-UP**

**SMCS-7301, 7325, 7335** **i01447075**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *169-9648* | 1 | BOTTLE GP-WINDOW WASHER | 740 |
| Y | *158-7694* | 1 | CAB AR | 744 |
| Y | *156-7409* | 1 | COVER GP-CONSOLE | 760 |
| Y | *108-2675* | 1 | HEATER GP-CAB | 764 |
| Y | *156-0244* | 1 | INSTRUMENT GP-CAB | 774 |
| Y | *161-6207* | 1 | LINES GP-HEATER | 794 |
| Y | *169-9637* | 1 | MOUNTING GP-CAB | 804 |
| Y | *159-0725* | 1 | PRESSURIZER GP-CAB | 818 |
| Y | *159-8809* | 1 | ROPS GP-ENCLOSED | 826 |
| Y | **160-7186** | 1 | SEAT GP-SUSPENSION | 840 |
| Y | *194-4269* | 1 | WIRING GP-THROTTLE | 291 |
| | **170-0258** | 1 | PANEL | |
| | | | | |
| | **3E-6513** | 1 | FILM-CATERPILLAR | |
| | | | CENTER ABOVE REAR WINDOW ON BACK OF CAB | |
| | **184-3287** | 1 | FLOORPLATE AS | |
| | **184-3285** | 1 | PANEL | |
| M | **8T-3490** | 2 | NUT-WELD (M10X1.5 THD) | |
| | **184-3290** | 1 | FLOORPLATE AS | |
| M | **8T-3597** | 4 | NUT-WELD (M12X1.75 THD) | |
| | **184-3289** | 1 | PANEL | |
| | **1J-1256** | 2 | PLUG-PROTECTION | |
| | **190-2937** | 1 | PLATE-ROPS | |
| | **159-4717** | 1 | PLATE-FOPS | |
| | **9W-8760** | 1 | PLATE-LH | |
| | **9W-8761** | 1 | PLATE-RH | |
| | **9N-1995** | 6 | RIVET-POP | |
| | **6J-0488** | 2 | SCREW-BUTTON HEAD (3/8-16X0.875 IN) | |
| BE | **3E-3892** | | SEAL | |
| BD | **5P-8309** | | SEAL | |
| | **8T-9530** | 4 | TACK-FASTENER | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART
Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## *158-7696* CAB GP

**S/N: AKA1-UP**

**PART OF 158-7694 CAB AR**

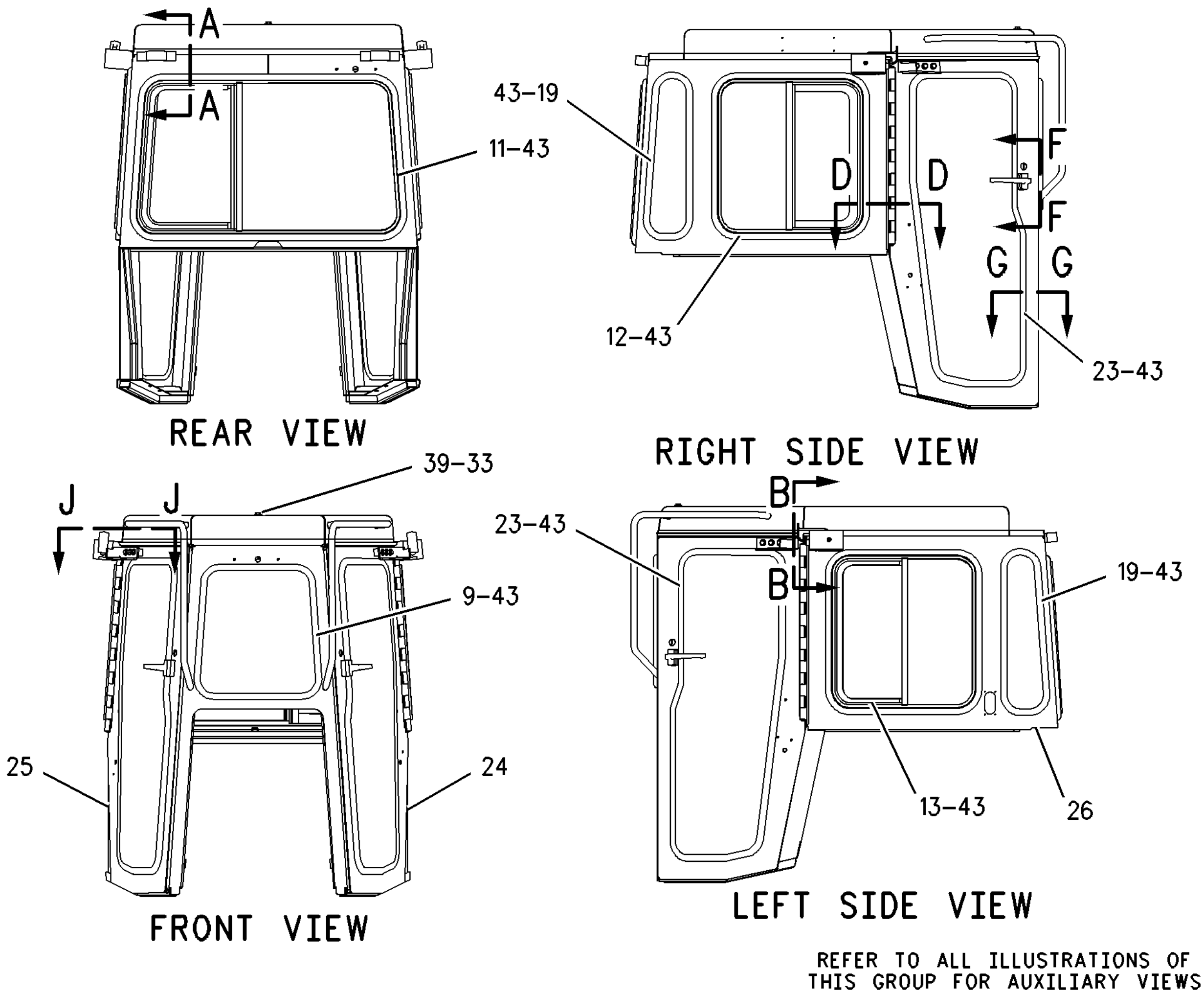
**SMCS-7301, 7325, 7335** **i01469103**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 2 | **5G-8655** | 2 | LEVER | |
| | 2 | 2 | **6I-9386** | 2 | BRACKET AS | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **7P-7610** | 2 | PLATE | |
| | 3 | 2 | **6V-2331** | 2 | HANDLE AS | |
| | 4 | 2 | **6V-2375** | 2 | HANDLE AS-INSIDE | |
| | 5 | 2 | **6V-3260** | 8 | BOLT-SOCKET HEAD (1/4-20X0.75 IN) | |
| | 6 | 2 | **6V-7190** | 2 | LEVER AS | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **6V-8129** | 2 | SETSCREW-SOCKET | |
| | 7 | 2 | **6V-7636** | 4 | PIN AS-SPRING | |
| | 8 | 2 | **6V-8073** | 2 | LINK-CONNECTING | |
| | 9 | 1 | **7G-2454** | 1 | GLASS (TINTED) | |
| | 10 | 2 | **8C-3442** | 2 | SPRING-COIL | |
| Y | 11 | 1 | **8E-5112** | 1 | WINDOW AS-SLIDING (REAR) | 850 |
| Y | 12 | 1 | **8E-5113** | 1 | WINDOW AS-SLIDING (RH) | 851 |
| Y | 13 | 1 | **8E-5114** | 1 | WINDOW AS-SLIDING (LH) | 852 |
| B | 14 | 2 | **8T-0318** | 8 | SHIM (0.8MM THK) | |
| | 15 | 2 | **8T-1979** | 1 | LINKAGE AS | |
| | | 2 | **8T-8914** | 1 | SEAL-LINKAGE | |
| | 16 | 2 | **8T-1980** | 1 | LINKAGE AS | |
| | | 2 | **8T-8914** | 1 | SEAL-LINKAGE | |
| | 17 | 2 | **8T-3561** | 1 | PLATE-IDENTIFICATION | |
| | 18 | 2 | **8Y-8304** | 2 | STRIKER AS-LATCH | |
| | | | | | (EACH INCLUDES) | |
| | | 2 | **8T-4158** | 1 | WASHER | |
| | 19 | 1 | **9G-1127** | 2 | GLASS | |
| | 20 | 2 | **109-9828** | 1 | LATCH AS-ROTARY | |
| | 21 | 2 | **109-9829** | 1 | LATCH AS-ROTARY | |
| | 22 | 2 | **118-0693** | 2 | ROD | |
| | 23 | 1 | **125-8254** | 2 | GLASS | |
| | 24 | 1 | **156-5086** | 1 | DOOR AS-LH | |
| | 25 | 1 | **156-5087** | 1 | DOOR AS-RH | |
| | | | | | (EACH DOOR AS INCLUDES) | |
| M | | 1 | **6V-9632** | 2 | NUT-WELD (M6X1 THD) | |
| | 26 | 1 | **158-7697** | 1 | CAB AS | |
| M | | 1 | **6V-9632** | 13 | NUT-WELD (M6X1 THD) | |
| | | 1 | **1K-5888** | 2 | SPACER (.42X.67X.63 IN THK) | |
| | | 1 | **8E-3276** | 4 | SPACER (7.5X15X5MM THK) | |
| | | 1 | **5G-8871** | 2 | BOSS | |
| | | 1 | **7T-1099** | 14 | LINK | |
| | | 1 | **9T-6001** | 2 | BOSS | |
| | 27 | 2 | **170-5854** | 1 | BRACKET-RH | |
| | 28 | 2 | **170-5855** | 1 | BRACKET-LH | |
| | 29 | 2 | **1B-8735** | 2 | KEY-WOODRUFF | |
| | 30 | 2 | **4K-3533** | 2 | WASHER (9.7X17.5X1.6MM THK) | |
| | 31 | 2 | **4M-6425** | 2 | BOLT (5/16-18X1 IN) | |
| | 32 | 2 | **5M-8500** | 2 | KNOB | |
| | 33 | 1 | **5P-1076** | 1 | WASHER-HARD (13.5X30X4MM THK) | |
| | 34 | 2 | **6V-8189** | 2 | NUT (5/16-18 THD) | |
| | 35 | 2 | **7X-0623** | 12 | WASHER (10.5X21X2MM THK) | |
| | 36 | 2 | **7X-7729** | 12 | WASHER (11X25X3MM THK) | |
| M | 37 | 2 | **8T-4136** | 24 | BOLT (M10X1.5X25MM) | |
| M | 38 | 2 | **8T-4181** | 8 | BOLT (M6X1X20MM) | |
| M | 39 | 1 | **8T-4192** | 1 | BOLT (M12X1.75X25MM) | |
| | 40 | 2 | **8T-9043** | 2 | BOLT (5/16-18X.875 IN) | |

158-7696 **CAB GP** *(contd.)* **i01469103**

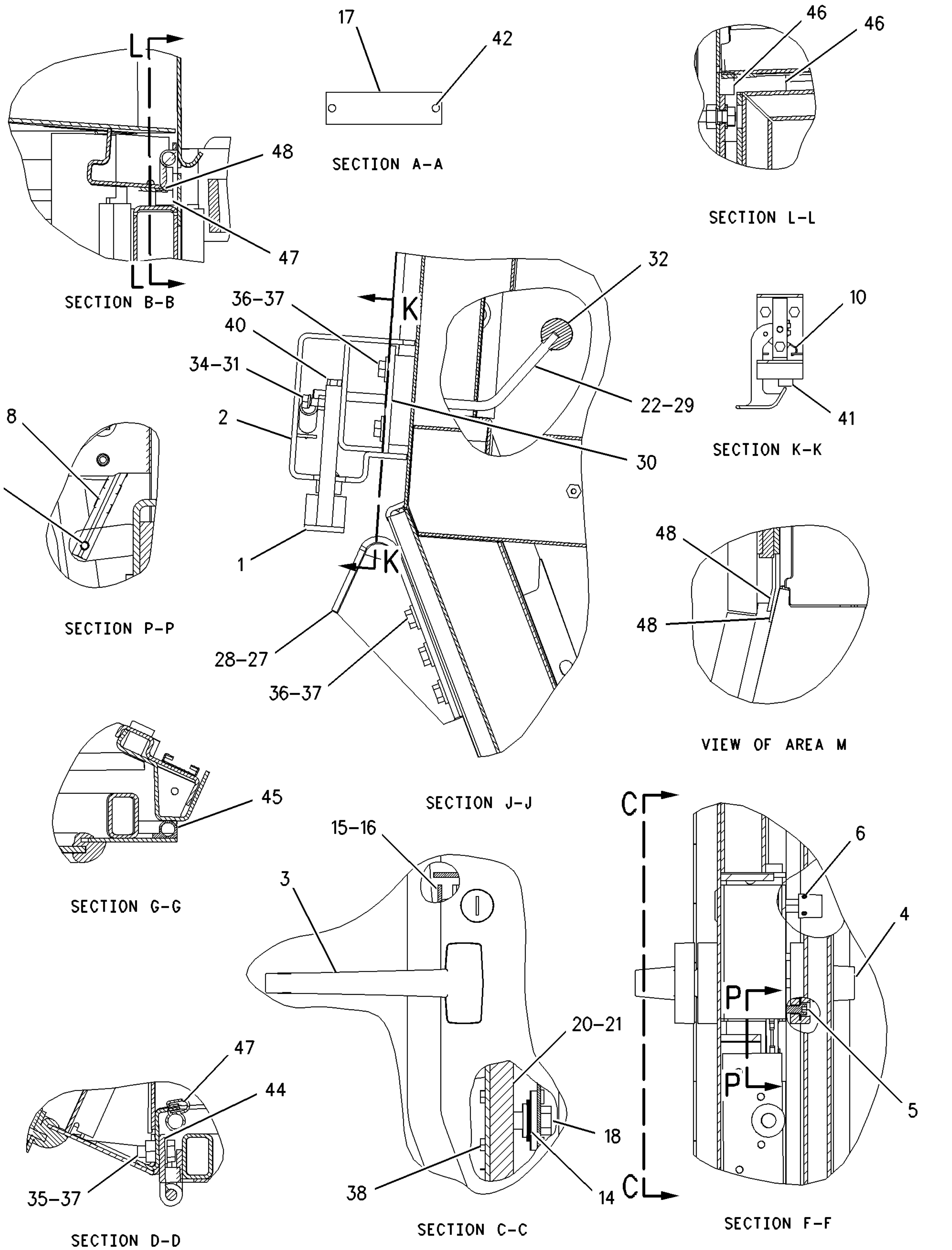
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 2 | **9D-9736** | 2 | BUMPER | |
| | 42 | 2 | **9N-1995** | 2 | RIVET-POP | |
| BD | 43 | 1 | **5P-6605** | | SEAL | |
| BD | 44 | 2 | **5P-5930** | | SEAL | |
| BE | 45 | 2 | **103-2543** | | SEAL | |
| BD | 46 | 2 | **5P-5643** | | SEAL | |
| BD | 47 | 2 | **5P-7483** | | SEAL | |
| BD | 48 | 2 | **8T-6936** | | SEAL | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00672173

*158-7696* **CAB GP** ***(contd.)*** **i01469103**




GRAPHIC #2 g00745481

## 3E-1906 COMPRESSOR GP-REFRIGERANT

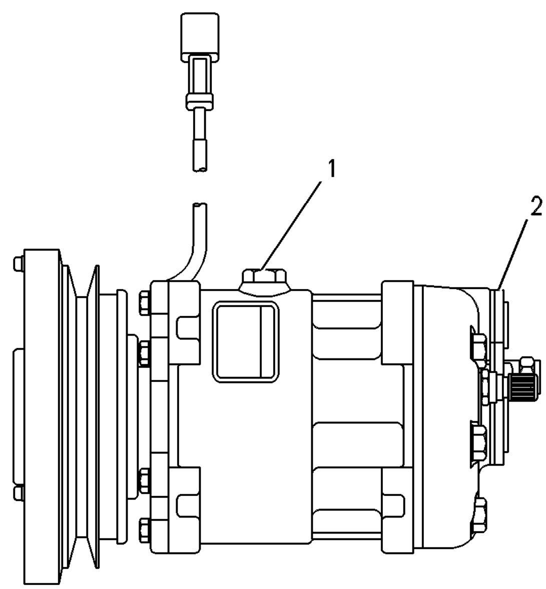
**S/N: AKA1-UP**

**PART OF 159-7301 COMPRESSOR GP-REFRIGERANT**

**SMCS-1802** **i01093702**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| C | 1 | 1 | **7T-4532** | 1 | PLUG AS | |
| C | 2 | 1 | **9X-7385** | 2 | SEAL-O-RING (20.22MM ID) | |

C-CHANGE FROM PREVIOUS TYPE




GRAPHIC #1 g00273360

# *159-7301* COMPRESSOR GP-REFRIGERANT

**S/N: AKA1-UP**

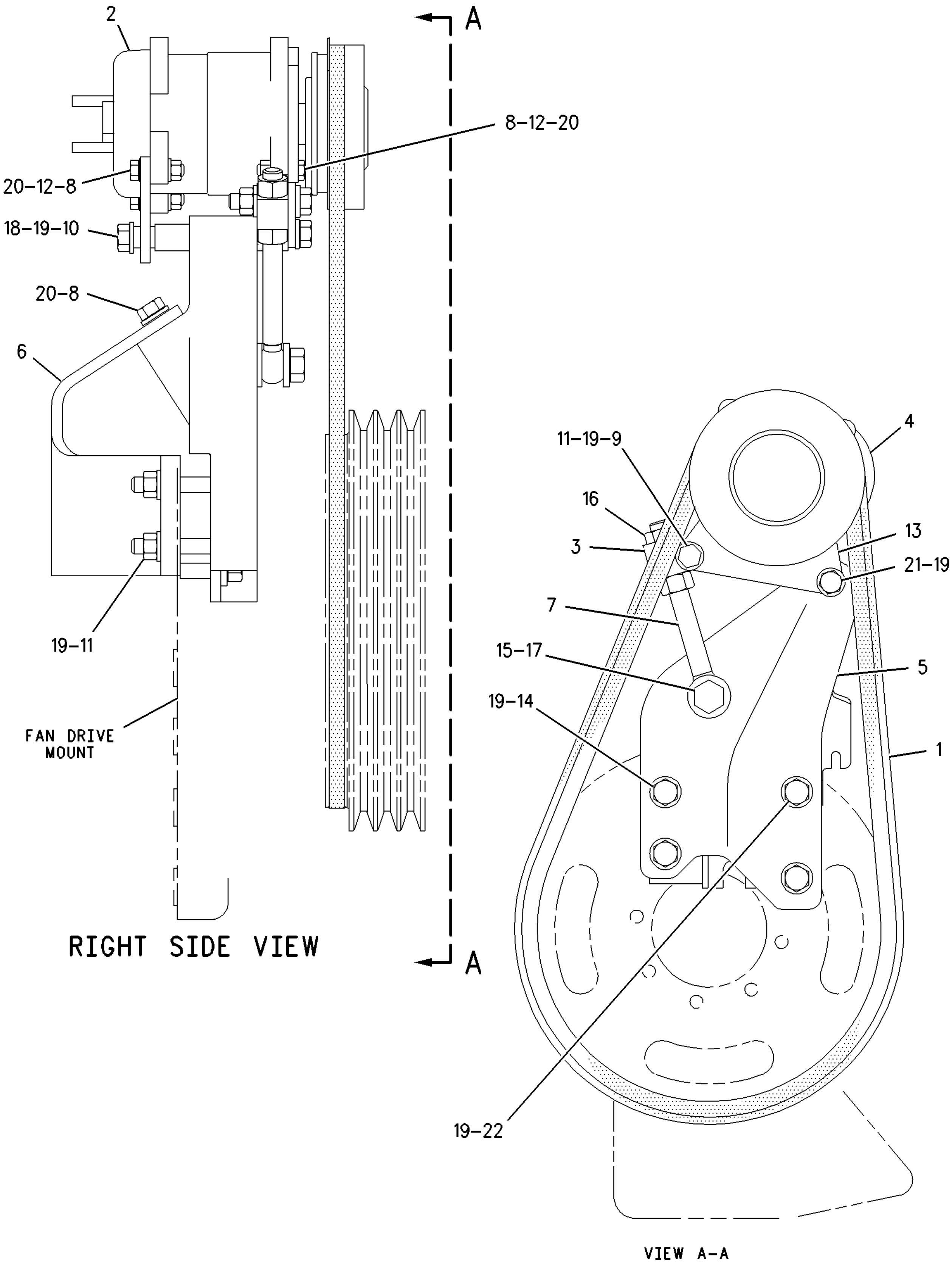
**PART OF 158-2959, 158-2960, 158-6439 AIR CONDITIONER AR**

**SMCS-1802** **i01498006**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2S-9506** | 1 | V-BELT (AIR CONDITIONER COMPRESSOR) | |
| Y | 2 | 1 | **3E-1906** | 1 | COMPRESSOR GP-REFRIGERANT | 749 |
| | 3 | 1 | **8S-5383** | 1 | BLOCK | |
| | 4 | 1 | **198-7464** | 1 | BRACKET | |
| | 5 | 1 | **200-3908** | 1 | SUPPORT-COMPRESSOR | |
| | 6 | 1 | **200-3909** | 1 | BRACKET AS | |
| | | 1 | **7T-1099** | 2 | LINK | |
| | 7 | 1 | **1S-4698** | 1 | ROD | |
| | 8 | 1 | **4L-9337** | 7 | BOLT (3/8-16X1.5 IN) | |
| | 9 | 1 | **5P-2424** | 1 | BOLT (1/2-13X2.25 IN) | |
| | 10 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 11 | 1 | **6V-8188** | 3 | NUT (1/2-13 THD) | |
| | 12 | 1 | **6V-8801** | 5 | NUT (3/8-16 THD) | |
| | 13 | 1 | **7C-7595** | 1 | BRACKET | |
| | 14 | 1 | **7X-0328** | 2 | BOLT (1/2-13X3.50 IN) | |
| | 15 | 1 | **7X-0345** | 1 | BOLT (5/8-11X1.75 IN) | |
| | 16 | 1 | **7X-0448** | 2 | NUT (5/8-11 THD) | |
| | 17 | 1 | **7X-0515** | 1 | WASHER-HARD (17X35X5MM THK) | |
| | 18 | 1 | **8N-3525** | 1 | SPACER (14.3X17.5X17.5MM THK) | |
| | 19 | 1 | **8T-4223** | 10 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 20 | 1 | **8T-4896** | 12 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| | 21 | 1 | **8T-8917** | 1 | BOLT (1/2-13X1.25 IN) | |
| | 22 | 1 | **8T-8919** | 2 | BOLT (1/2-13X1.75 IN) | |

Y-SEPARATE ILLUSTRATION

*159-7301* **COMPRESSOR GP-REFRIGERANT** ***(contd.)*** **i01498006**




GRAPHIC #1 g00764619

## *109-9941* CONDENSER & MTG GP-REFRIGERANT

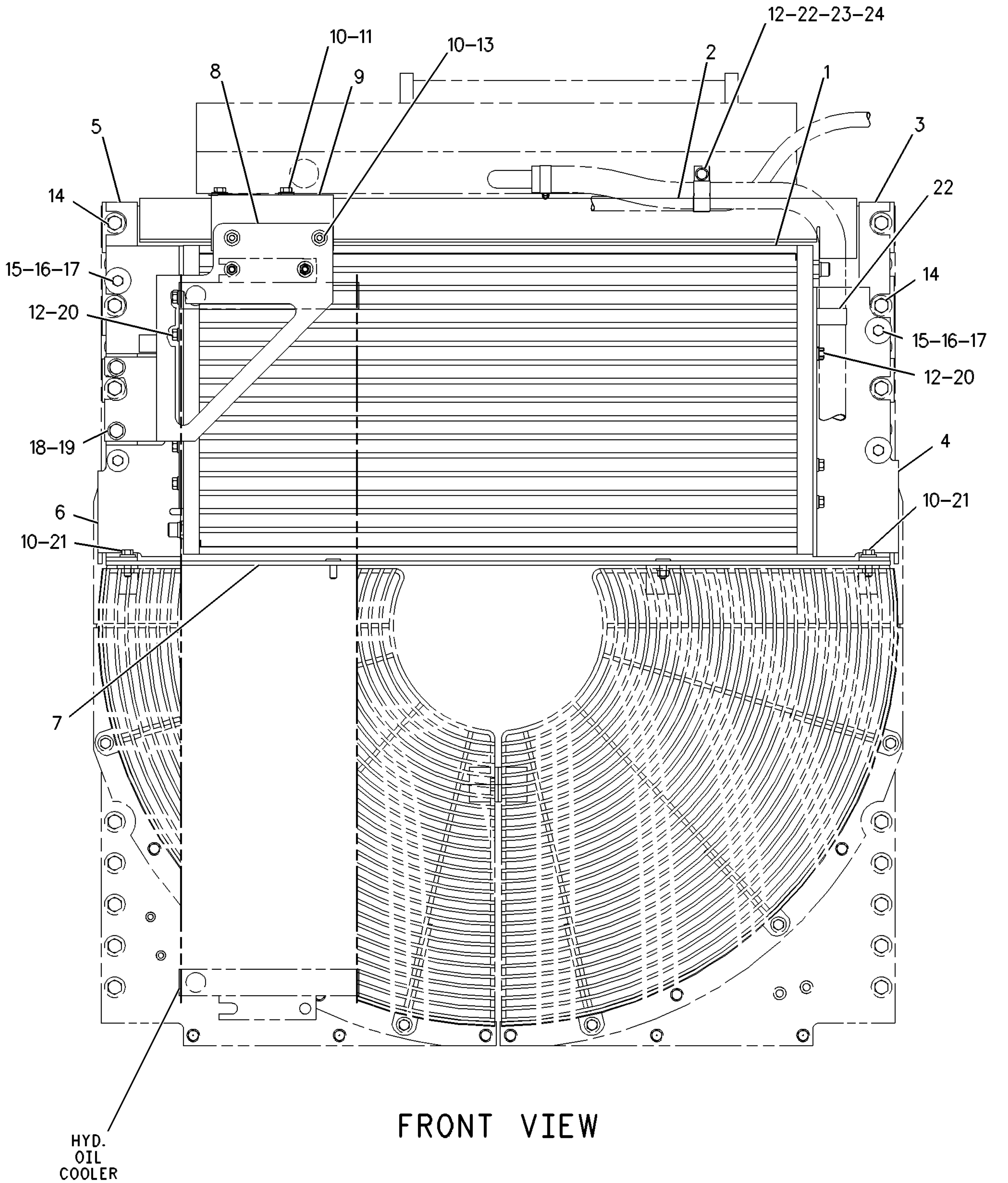
**S/N: AKA1-UP**

**PART OF 158-2959 AIR CONDITIONER AR**

**SMCS-1805** **i01026726**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **105-9227** | 1 | CONDENSER | |
| | 2 | 1 | **112-2625** | 1 | BAFFLE AS | |
| | | 1 | **1F-0750** | 3 | NUT-WELD (3/8-16 THD) | |
| | 3 | 1 | **110-6891** | 1 | BRACKET AS-RH | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 4 | 1 | **110-6897** | 1 | BRACKET-RH | |
| | 5 | 1 | **110-6896** | 1 | BRACKET AS-LH | |
| | | 1 | **1F-0748** | 2 | NUT-WELD (1/2-13 THD) | |
| | | 1 | **1F-0750** | 4 | NUT-WELD (3/8-16 THD) | |
| | 6 | 1 | **110-6898** | 1 | BRACKET-LH | |
| | 7 | 1 | **110-6928** | 1 | SUPPORT AS | |
| | | 1 | **7M-7794** | 2 | STUD-WELD | |
| | 8 | 1 | **108-8717** | 1 | BRACKET AS | |
| | | 1 | **3Y-7829** | 1 | BOSS (3/8-16 THD) | |
| | | 1 | **7M-7794** | 2 | STUD-WELD | |
| | 9 | 1 | **110-6918** | 1 | SUPPORT AS | |
| | | 1 | **5M-9621** | 2 | STUD-WELD (3/8-16 THD) | |
| | 10 | 1 | **5P-1075** | 6 | WASHER-HARD (3MM THK) | |
| | 11 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1.0IN) | |
| | 12 | 1 | **8T-4896** | 9 | WASHER-HARD (2.5MM THK) | |
| | 13 | 1 | **6V-8801** | 2 | NUT (3/8-16 THD) | |
| | 14 | 1 | **8T-4835** | 6 | BOLT (1/2X2.0 IN) | |
| | 15 | 1 | **4L-9337** | 4 | BOLT (3/8-16X1.5IN) | |
| | 16 | 1 | **9L-8781** | 4 | WASHER | |
| | 17 | 1 | **6N-8744** | 4 | MOUNT | |
| | 18 | 1 | **8T-8917** | 2 | BOLT (1/2-13X1.25IN) | |
| | 19 | 1 | **8T-4223** | 2 | WASHER-HARD (3MM THK) | |
| | 20 | 1 | **5M-3062** | 8 | BOLT (3/8-16X.75IN) | |
| | 21 | 1 | **9B-7237** | 2 | BOLT (3/8-16X1.25IN) | |
| | 22 | 1 | **7D-7233** | 2 | CLIP (38.1MM ID) | |
| | 23 | 1 | **7N-1277** | 1 | BRACKET AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 24 | 1 | **5S-7379** | 1 | BOLT (3/8-16X.875IN) | |

*109-9941* **CONDENSER & MTG GP-REFRIGERANT** ***(contd.)*** **i01026726**




GRAPHIC #1 g00528832

# OPERATOR STATION

## *103-9527* CONDENSER GP-REFRIGERANT

**S/N: AKA1-UP**

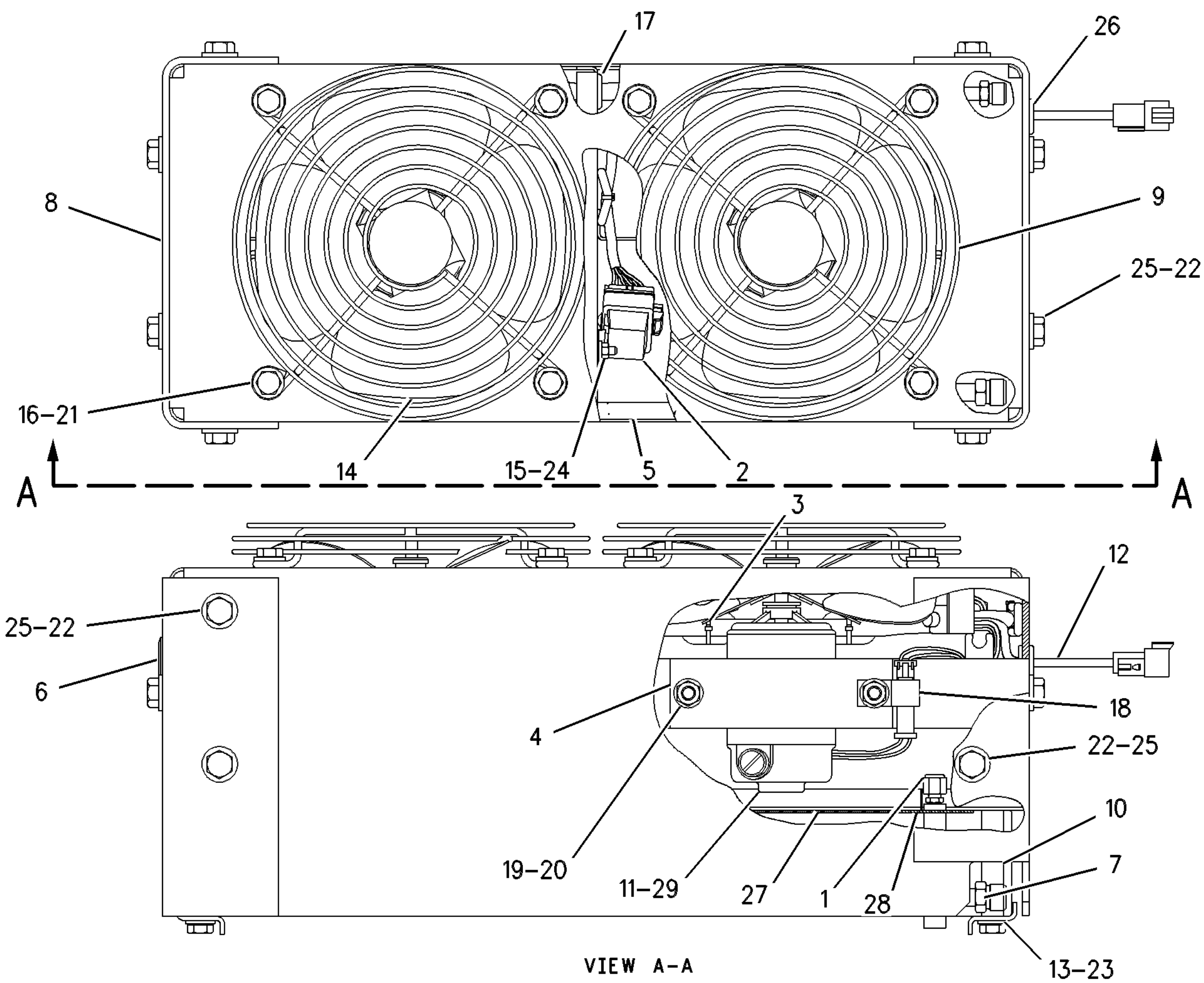
**PART OF 158-2960, 158-6439 AIR CONDITIONER AR**

**SMCS-1805** **i01446049**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2L-1224** | 1 | CAP-AIR CONDITIONER VALVE (7/16 X 20 THD) | |
| | 2 | 1 | **3E-5239** | 1 | RELAY AS (24 VOLT) (CONDENSER BLOWER MOTOR) | |
| | 3 | 1 | **3S-2093** | 7 | STRAP-CABLE | |
| C | 4 | 1 | **7T-5856** | 4 | CLAMP | |
| | 5 | 1 | **8C-3756** | 1 | FILM-IDENTIFICATION (GROUP & SEQUENCE NO.) | |
| C | 6 | 1 | **8P-6363** | 1 | PLUG | |
| | 7 | 1 | **9X-3439** | 1 | COIL-CONDENSER | |
| | 8 | 1 | **9X-3451** | 1 | CASE AS | |
| M | | 1 | **5C-9553** | 2 | BOLT (M6X1X16MM) | |
| M | | 1 | **8T-3490** | 12 | NUT-WELD (M10X1.5 THD) | |
| | | 1 | **9G-9151** | 3 | CLIP | |
| M | | 1 | **8T-5413** | 2 | STUD-WELD (M10X1.5X25MM OAL) | |
| | | 1 | **7T-1099** | 6 | LINK | |
| M | | 1 | **8T-3597** | 12 | NUT-WELD (M12X1.75 THD) | |
| M | | 1 | **8T-3994** | 2 | STUD-WELD (M6X1-6G THD) | |
| | 9 | 1 | **9X-3452** | 2 | GUARD AS-FAN | |
| | 10 | 1 | **9X-4292** | 4 | TUBE | |
| J | 11 | 1 | **174-1495** | 2 | MOTOR GP-ELECTRIC | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **9W-0852** | 2 | PIN-CONNECTOR | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES WEDGE & RECEPTACLE AS) | |
| | 12 | 1 | **123-8329** | 1 | HARNESS AS-AIR CONDITIONER | |
| | | 1 | **155-2270** | 1 | KIT-CONNECTING PLUG (2 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **9X-1054** | 1 | PLUG AS-CONNECTOR (4 PIN) | |
| | 13 | 1 | **127-9083** | 2 | PLATE | |
| | 14 | 1 | **142-8620** | 2 | FAN AS | |
| M | 15 | 1 | **5C-2890** | 1 | NUT (M6X1 THD) | |
| | 16 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| C | 17 | 1 | **5P-8441** | 1 | GROMMET | |
| | 18 | 1 | **6D-4246** | 2 | CLIP | |
| | 19 | 1 | **8T-4121** | 8 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 20 | 1 | **8T-4133** | 4 | NUT (M10X1.5 THD) | |
| M | 21 | 1 | **8T-4137** | 8 | BOLT (M10X1.5X20MM) | |
| M | 22 | 1 | **8T-4192** | 12 | BOLT (M12X1.75X25MM) | |
| M | 23 | 1 | **8T-4198** | 4 | BOLT (M10X1.5X100MM) | |
| | 24 | 1 | **8T-4205** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 25 | 1 | **8T-4223** | 12 | WASHER-HARD (13.5X25.5X3MM THK) | |
| C | 26 | 1 | **9X-7373** | 1 | GROMMET | |
| BD | 27 | 1 | **5P-5673** | | SEAL (9.52MM WIDE) | |
| BD | 28 | 1 | **5P-5924** | | SEAL (38.1MM WIDE) | |
| BCD | 29 | 1 | **5P-5908** | | SEAL | |

B-USE AS REQUIRED
C-CHANGE FROM PREVIOUS TYPE
D-ORDER BY THE METER
J-REPAIR KIT(S) MARKED J AVAILABLE FOR PART MARKED J
M-METRIC PART

*103-9527* **CONDENSER GP-REFRIGERANT** ***(contd.)*** **i01446049**




GRAPHIC #1

g00566536

# *186-0929* CONTROL GP-ELECTRONIC

**S/N: AKA1-UP**

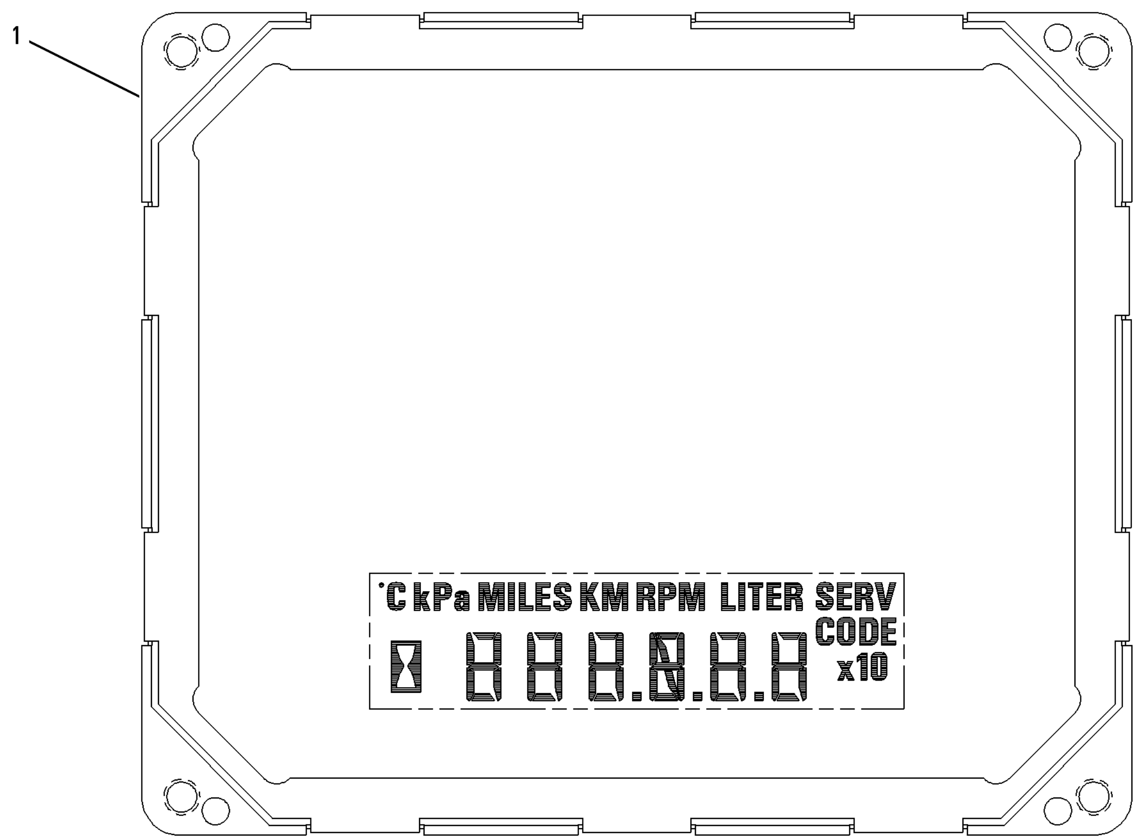
**(OPTIONAL SERVICE REPLACEMENT) (INCLUDES SOFTWARE)**

**PART OF 195-5200 ELECTRONICS GP-MONITOR**

**SMCS-1901** **i01432925**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **154-7443** | 1 | CONTROL GP-UNPROGRAMMED | |
| F | | | **186-0928** | 1 | SOFTWARE GP-MONITOR | |

F-NOT SHOWN




GRAPHIC #1

g00726850

# 192-9800 CONTROL GP-ELECTRONIC

S/N: AKA1-UP

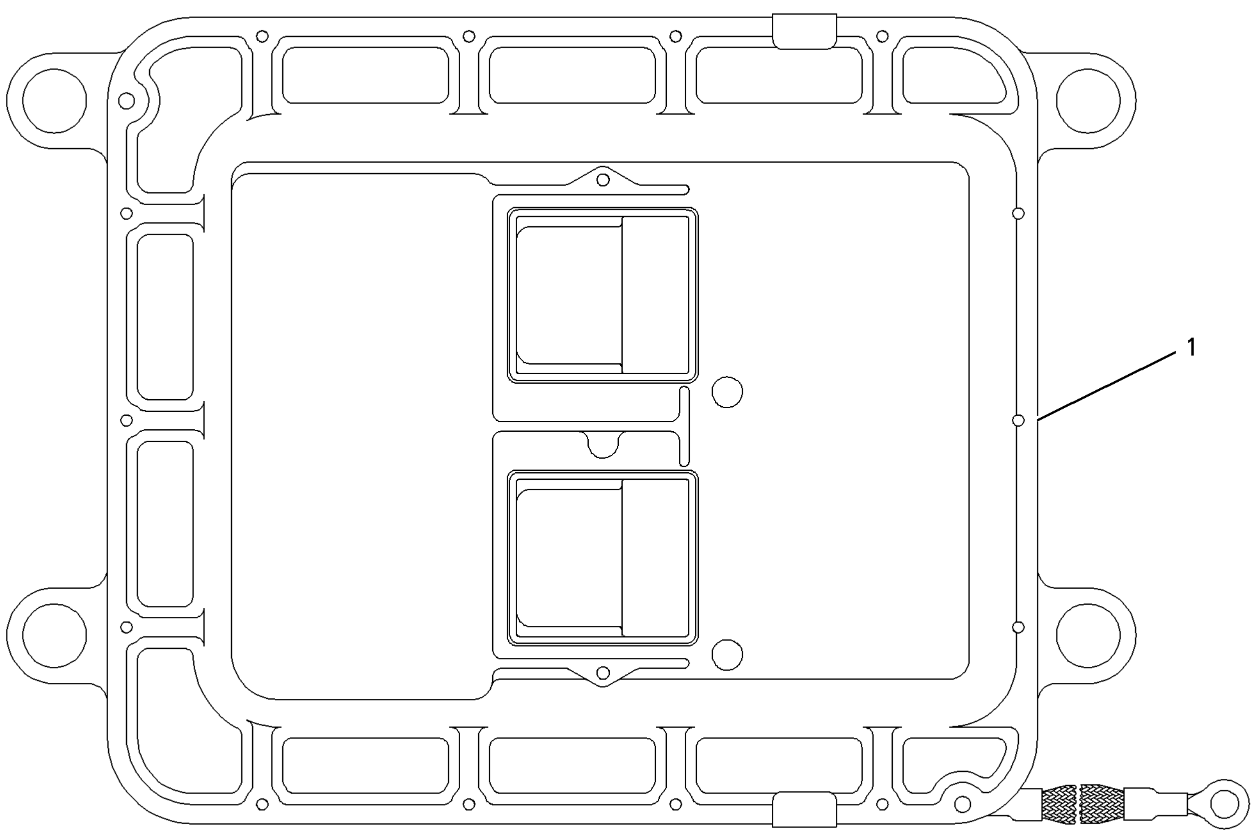
(OPTIONAL SERVICE REPLACEMENT) (INCLUDES SOFTWARE)

PART OF 159-9035 ELECTRONICS GP-MACHINE

SMCS-1901 i01432797

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **172-9389** | 1 | CONTROL GP-UNPROGRAMMED | 215 |
| | | | | | | |
| F | | 1 | **192-9799** | 1 | SOFTWARE GP (ELECTRONIC) | |

F-NOT SHOWN
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00726887

# 161-3615 CONTROL GP-IMPLEMENT

S/N: AKA1-UP

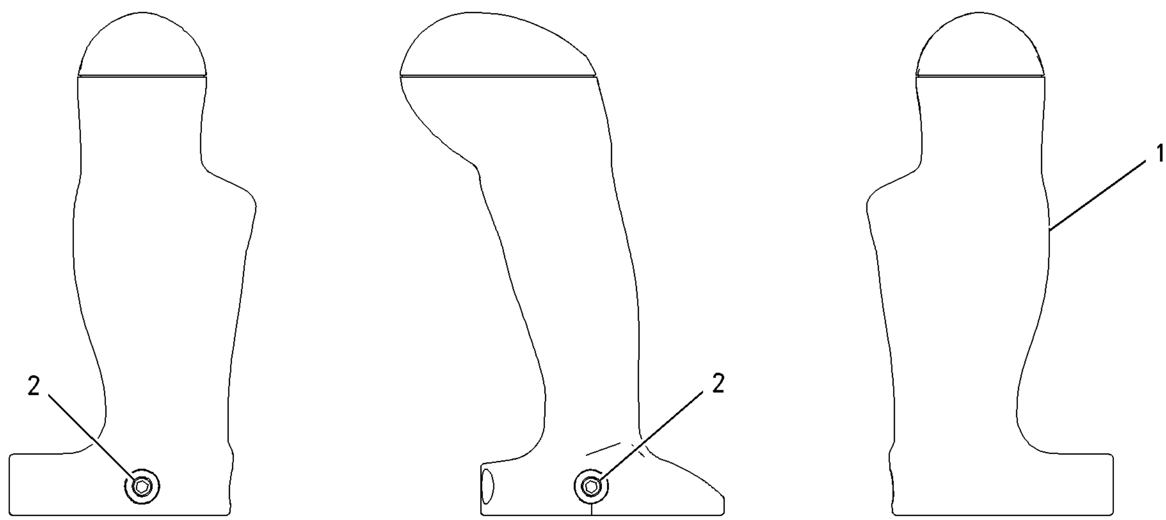
DOZER

PART OF 157-0824, 157-7331, 160-5560 CONTROL AR-PILOT HYDRAULIC

SMCS-5063 i01487137

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **188-1079** | 1 | HANDLE GP-CONTROL (DOZER) | 762 |
| | 2 | 1 | **4B-9806** | 2 | SETSCREW-SOCKET (1/4 THD) | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00763645

# MEMORANDA

# OPERATOR STATION

## *156-7409* COVER GP-CONSOLE

S/N: AKA1-UP

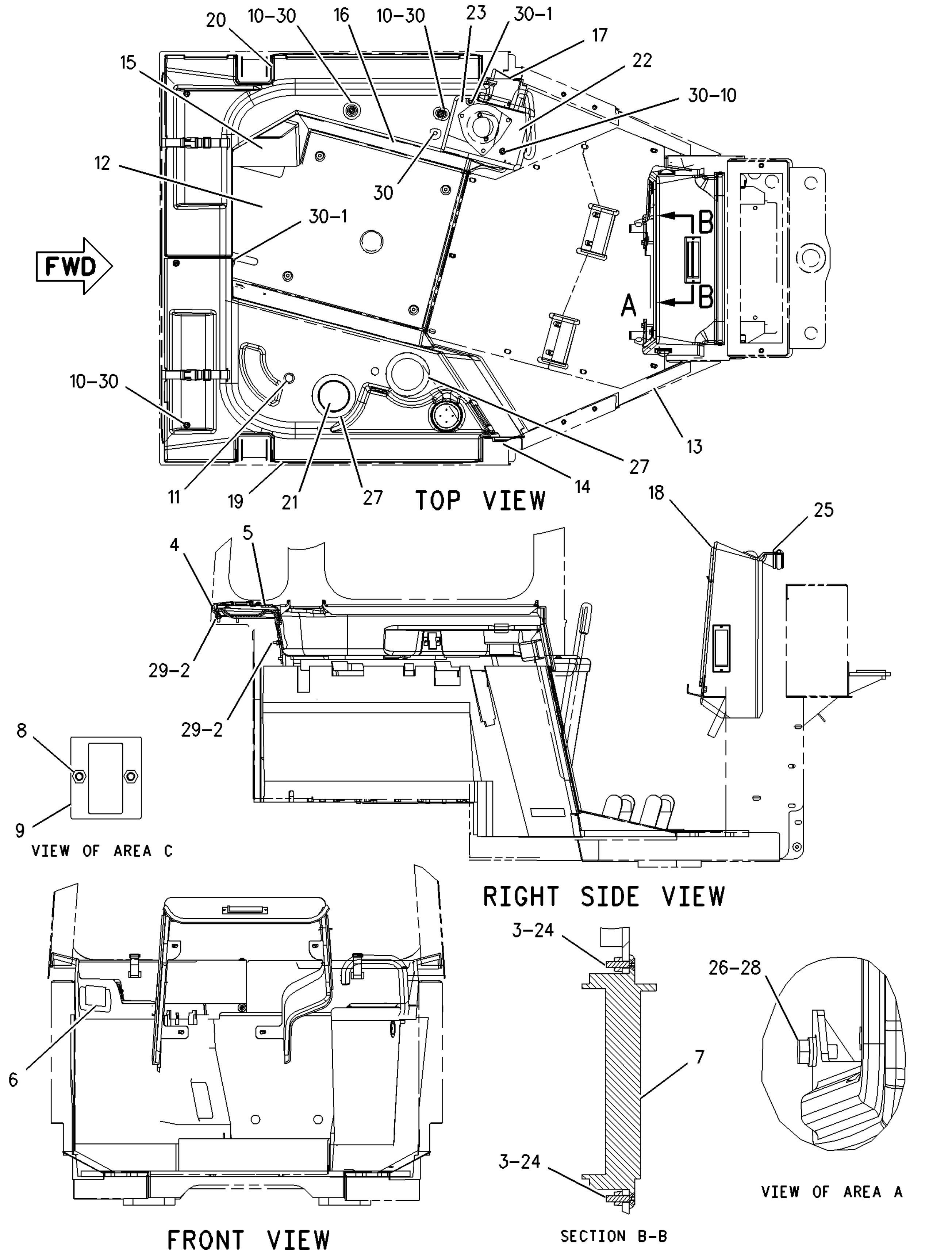
PART OF 159-8367 CAB AR

SMCS-5258 i01447117

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9N-0869** | 2 | WASHER-HARD (8.8X25.5X2MM THK) | |
| | 2 | 1 | **6Y-0206** | 4 | RETAINER | |
| | 3 | 1 | **7D-6922** | 6 | LOCKNUT | |
| | 4 | 1 | **7G-4824** | 2 | STRAP | |
| | 5 | 1 | **8E-7791** | 2 | STRAP | |
| | 6 | 1 | **8Y-5746** | 1 | ASHTRAY | |
| | 7 | 1 | **8Y-6388** | 3 | LOUVER AS | |
| M | 8 | 1 | **7Y-7389** | 2 | SCREW (M5X0.8X16MM) | |
| | 9 | 1 | **161-3611** | 1 | PLATE | |
| | 10 | 1 | **9X-2038** | 6 | WASHER (7X19X2MM THK) | |
| | 11 | 1 | **159-9202** | 1 | SEAL | |
| | 12 | 1 | **159-7948** | 1 | FLOOR MAT | |
| | 13 | 1 | **159-7949** | 1 | FLOOR MAT | |
| | 14 | 1 | **159-7945** | 1 | PANEL-ACOUSTICAL | |
| | 15 | 1 | **159-3961** | 1 | PANEL-ACOUSTICAL | |
| | 16 | 1 | **159-7943** | 1 | PANEL-ACOUSTICAL | |
| | 17 | 1 | **159-7946** | 1 | PANEL-ACOUSTICAL | |
| | 18 | 1 | **170-5849** | 1 | SHROUD AS | |
| | | 1 | **170-5851** | 1 | LINER-FOAM | |
| | | 1 | **170-5852** | 1 | LINER-FOAM | |
| | | 1 | **170-5853** | 1 | LINER-FOAM | |
| | 19 | 1 | **159-3568** | 1 | COVER AS | |
| | | 1 | **114-9125** | 1 | HOLDER-CUP | |
| | 20 | 1 | **156-7410** | 1 | COVER AS | |
| | 21 | 1 | **159-8107** | 1 | COVER | |
| | 22 | 1 | **159-8108** | 1 | COVER | |
| | 23 | 1 | **159-8109** | 1 | COVER | |
| | 24 | 1 | **111-5147** | 6 | SCREW-MACHINE (6-32 X .625IN) | |
| BE | 25 | 1 | **124-3243** | | SEAL (56CM) | |
| | 26 | 1 | **5P-4116** | 4 | WASHER-HARD (8.8X20.5X2MM THK) | |
| | 27 | 1 | **161-4024** | 2 | BOOT | |
| M | 28 | 1 | **8T-4189** | 4 | BOLT (M8X1.25X20MM) | |
| M | 29 | 1 | **9X-2043** | 8 | SCREW-TRUSS HEAD (M6X1X14MM) | |
| M | 30 | 1 | **9X-2045** | 9 | SCREW-TRUSS HEAD (M6X1X20MM) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
M-METRIC PART

*156-7409* **COVER GP-CONSOLE** *(contd.)* **i01447117**




GRAPHIC #1 g00726072

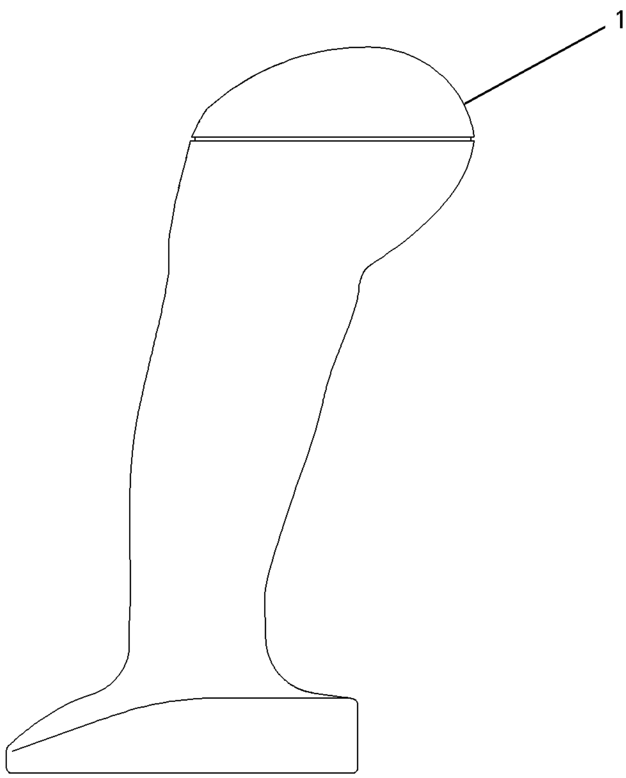
## *188-1079* HANDLE GP-CONTROL

S/N: AKA1-UP

PART OF 161-3615 CONTROL GP-IMPLEMENT

SMCS-3168 i01439692

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **164-6963** | 1 | HANDGRIP AS | |




GRAPHIC #1 g00721034

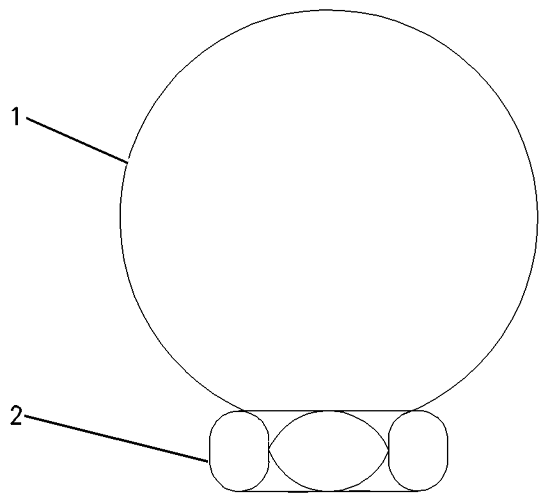
# *161-3616* HANDLE GP-JOYSTICK

**S/N: AKA1-UP**

**PART OF 157-7331 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5063** **i01488877**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2A-1736** | 1 | HANDLE | |
| | 2 | 1 | **7X-3374** | 1 | NUT-FULL (1/2-20 THD) | |




GRAPHIC #1 g00763264

# 108-2675 HEATER GP-CAB

S/N: AKA1-UP

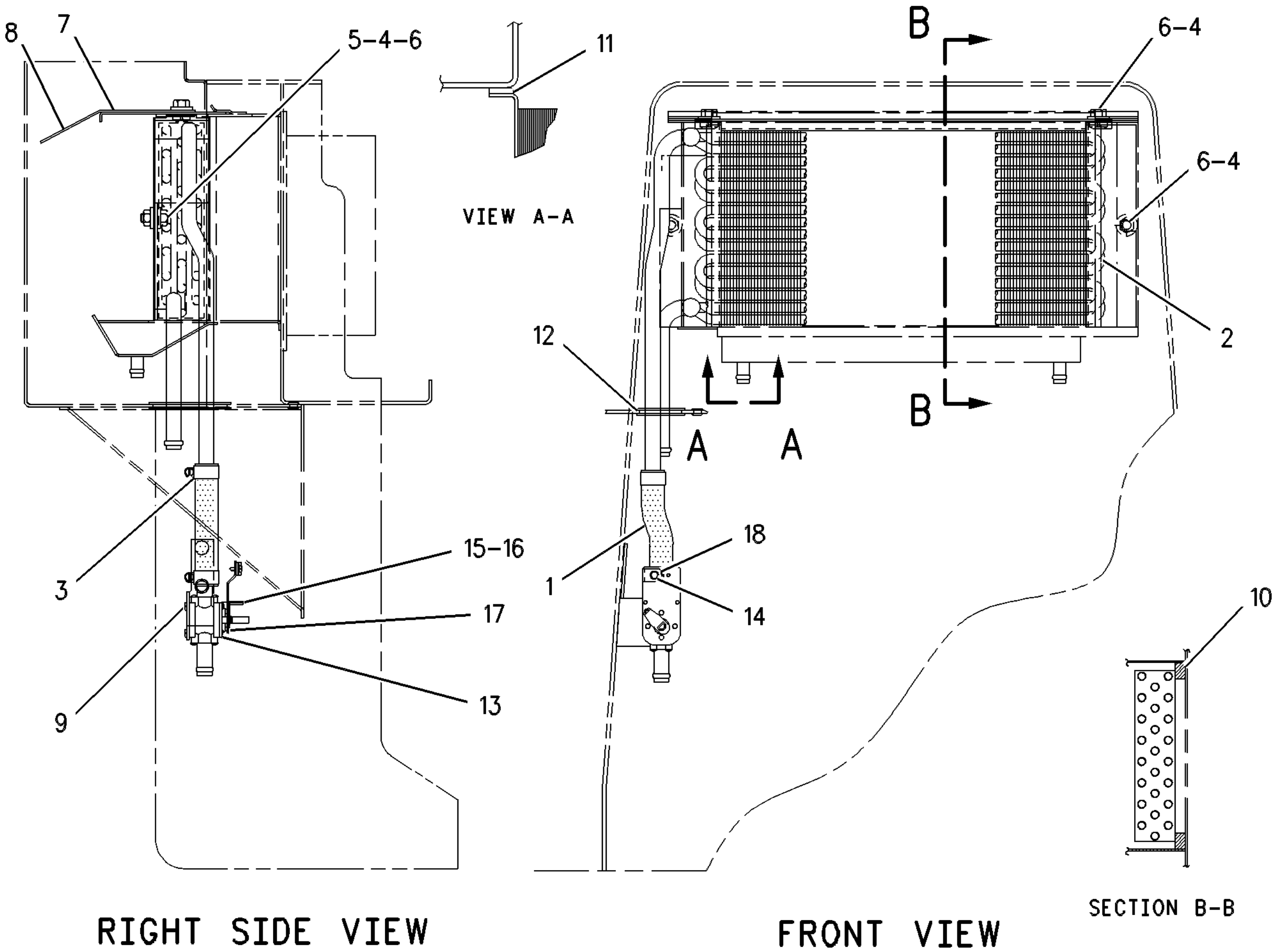
PART OF 159-8367 CAB AR

SMCS-7304 i01093892

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| E | 1 | 1 | **5P-0767** | | HOSE | |
| | 2 | 1 | **109-5761** | 1 | COIL AS-HEATER | |
| | 3 | 1 | **5D-1026** | 2 | CLAMP-HOSE | |
| | 4 | 1 | **8T-4121** | 5 | WASHER (2.5MM THK) | |
| M | 5 | 1 | **8T-4133** | 1 | NUT (M10X1.50 THD) | |
| M | 6 | 1 | **8T-4137** | 4 | BOLT (M10X1.50X20MM) | |
| | 7 | 1 | **6T-5617** | 1 | PLATE | |
| | 8 | 1 | **141-4123** | 1 | PLATE | |
| | 9 | 1 | **9X-2185** | 4 | SCREW | |
| BD | 10 | 1 | **5P-5643** | | SEAL | |
| BD | 11 | 1 | **5P-5639** | | SEAL | |
| | 12 | 1 | **7T-6299** | 1 | GROMMET | |
| | 13 | 1 | **134-9602** | 1 | VALVE AS-WATER | |
| | 14 | 1 | **2M-1444** | 1 | SCREW-TAPPING | |
| | 15 | 1 | **3E-1841** | 1 | LEVER | |
| | 16 | 1 | **8Y-5737** | 1 | CLIP (COMPRESSION) | |
| | 17 | 1 | **037-4426** | 1 | RETAINER | |
| | 18 | 1 | **102-0341** | 1 | CLIP (TAB) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART

*108-2675* **HEATER GP-CAB** *(contd.)* **i01093892**




GRAPHIC #1 g00411640

# *174-2231* HOUSING GP-SEAT SUSPENSION

**S/N: AKA1-UP**

**PART OF 160-7165 SUSPENSION GP-SEAT**

**SMCS-7321** **i01437505**

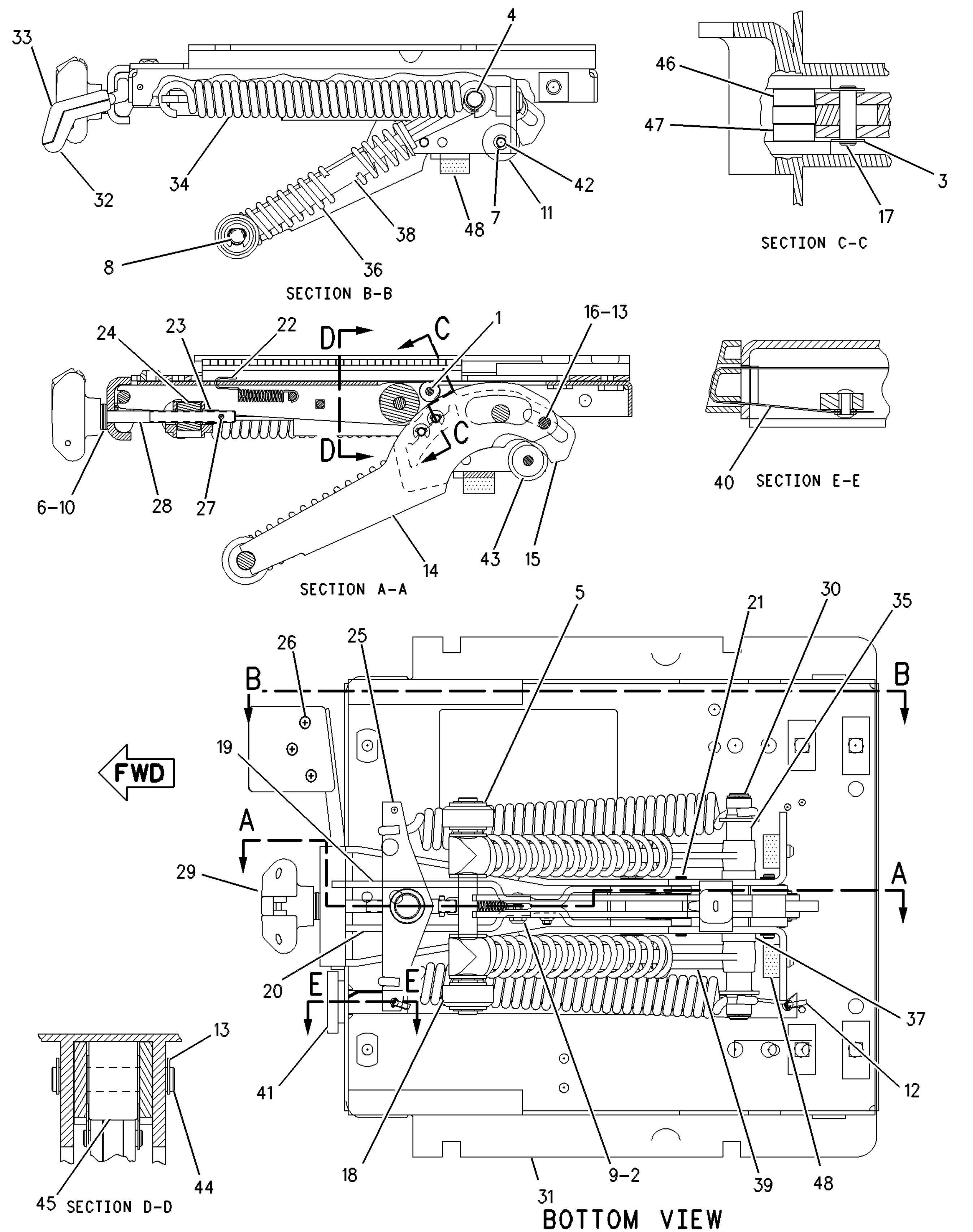
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Y-7927** | 1 | PIN | |
| | 2 | 1 | **2D-6235** | 2 | LOCKNUT (1/4-20 THD) | |
| | 3 | 1 | **2M-7819** | 4 | RING-RETAINING | |
| | 4 | 1 | **3D-2975** | 2 | RING-RETAINING | |
| | 5 | 1 | **4B-5059** | 6 | WASHER (2.5MM THK) | |
| | 6 | 1 | **4N-2927** | 2 | RACE-THRUST BEARING | |
| | 7 | 1 | **5D-4822** | 2 | RING-RETAINING | |
| | 8 | 1 | **5P-8445** | 4 | RING-RETAINING | |
| | 9 | 1 | **5V-0770** | 2 | BOLT-CARRIAGE | |
| | 10 | 1 | **7M-7219** | 1 | BEARING-THRUST | |
| | 11 | 1 | **7V-5191** | 2 | SPACER (7.1MM THK) | |
| | 12 | 1 | **8L-8413** | 2 | STRAP-CABLE | |
| | 13 | 1 | **8S-7803** | 4 | RING-RETAINING | |
| | 14 | 1 | **8Y-6041** | 1 | ARM AS | |
| | 15 | 1 | **8Y-6045** | 1 | CAM | |
| | 16 | 1 | **8Y-6046** | 1 | PIN | |
| | 17 | 1 | **8Y-6047** | 2 | PIN | |
| | 18 | 1 | **8Y-6060** | 2 | ROLLER | |
| | 19 | 1 | **8Y-6062** | 1 | LINK-ACTUATOR-RH | |
| | 20 | 1 | **8Y-6063** | 1 | LINK-ACTUATOR-LH | |
| | 21 | 1 | **8Y-6064** | 2 | ROLLER-SLIDER | |
| | 22 | 1 | **8Y-6066** | 1 | SPRING | |
| | 23 | 1 | **8Y-6067** | 1 | SPACER (10.54 MM THK) | |
| | 24 | 1 | **8Y-6068** | 1 | NUT (3/8 X 16 THD) | |
| | 25 | 1 | **8Y-6069** | 1 | ADJUSTER AS | |
| | 26 | 1 | **9X-8918** | 3 | SCREW-FLAT HEAD (8-32X0.50 IN) | |
| | 27 | 1 | **095-0878** | 1 | PIN-SPRING | |
| | 28 | 1 | **131-4242** | 1 | BOLT (3/8-16X5.18IN) | |
| | 29 | 1 | **131-5167** | 1 | KNOB AS-WEIGHT | |
| | 30 | 1 | **161-5967** | 1 | SHAFT | |
| | 31 | 1 | **174-2237** | 1 | HOUSING AS-UPPER | |
| JZ | 32 | 1 | | 1 | KNOB-HEIGHT | |
| JZ | 33 | 1 | | 1 | KNOB-HEIGHT | |
| LZ | 34 | 1 | | 2 | SPRING | |
| LZ | 35 | 1 | | 2 | BUSHING | |
| VZ | 36 | 1 | | 2 | SPRING | |
| VZ | 37 | 1 | | 2 | SPACER | |
| VZ | 38 | 1 | | 2 | BUSHING-GUIDE | |
| VZ | 39 | 1 | | 2 | ROD | |
| PZ | 40 | 1 | | 1 | TAPE-INDICATOR | |
| PZ | 41 | 1 | | 1 | GUIDE | |
| SZ | 42 | 1 | | 1 | PIN | |
| SZ | 43 | 1 | | 1 | FOLLOWER-CAM | |
| TZ | 44 | 1 | | 1 | PIN | |
| TZ | 45 | 1 | | 1 | FOLLOWER-CAM | |
| UZ | 46 | 1 | | 2 | ROLLER AS | |
| UZ | 47 | 1 | | 1 | ROLLER AS | |
| QZ | 48 | 1 | | 3 | BUMPER | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **8Y-5945** | 1 | KIT-SUSPENSION KNOB | |
| L | | | **8Y-6859** | 1 | KIT-SPRING | |
| V | | | **8Y-6860** | 1 | KIT-SPRING | |
| P | | | **100-3224** | 1 | KIT-INDICATOR | |
| Q | | | **100-5179** | 1 | KIT-BUMPER | |
| S | | | **108-4086** | 1 | KIT-FOLLOWER | |
| T | | | **108-4087** | 1 | KIT-FOLLOWER | |

## *174-2231* HOUSING GP-SEAT SUSPENSION *(contd.)* i01437505

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| U | | | **108-4103** | 1 | KIT-BEARING | |

J-KIT MARKED J INCLUDES PARTS MARKED J
L-KIT MARKED L INCLUDES PARTS MARKED L AND RETAINING RING
P-KIT MARKED P INCLUDES PARTS MARKED P AND CABLE STRAP
Q-KIT MARKED Q INCLUDES PARTS MARKED Q
S-KIT MARKED S INCLUDES PARTS MARKED S
T-KIT MARKED T INCLUDES PARTS MARKED T
U-KIT MARKED U INCLUDES PARTS MARKED U
V-KIT MARKED V INCLUDES PARTS MARKED V
Z-NOT SERVICED SEPARATELY

*174-2231* **HOUSING GP-SEAT SUSPENSION** ***(contd.)*** **i01437505**




GRAPHIC #1

g00608620

## *105-9657* INSTALLATION GP-RADIO

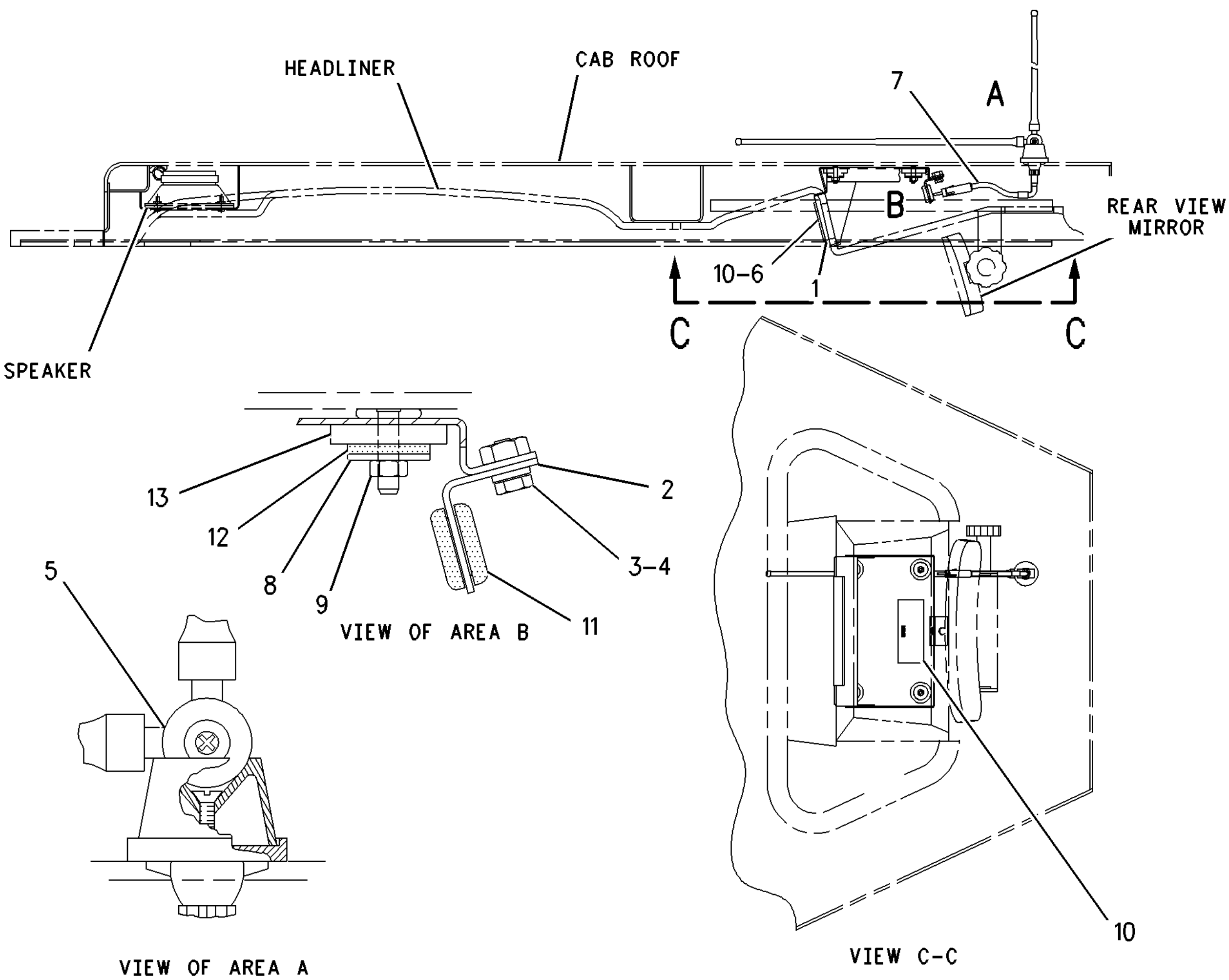
**S/N: AKA1-UP**

**PART OF 158-7694 CAB AR**

**SMCS-7338** **i01448467**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **108-3138** | 1 | BRACKET AS | |
| | 2 | 1 | **6Y-7385** | 1 | BRACKET | |
| M | 3 | 1 | **8T-4171** | 1 | BOLT (M6X1X12MM) | |
| | 4 | 1 | **9X-8256** | 1 | WASHER (6.6X12X2MM THK) | |
| | 5 | 1 | **8E-1118** | 1 | ANTENNA AS | |
| | 6 | 1 | **9U-8263** | 1 | COVER | |
| | 7 | 1 | **9U-8746** | 1 | CABLE AS-COAXIAL | |
| | 8 | 1 | **6V-7646** | 4 | WASHER-HARD (7.2X25X2MM THK) | |
| M | 9 | 1 | **5C-2890** | 4 | NUT (M6X1 THD) | |
| | 10 | 1 | **3E-6601** | 2 | FILM-NOTICE (RADIO) | |
| | 11 | 1 | **8K-1433** | 1 | GROMMET (12.70MM ID) | |
| | 12 | 1 | **4N-9915** | 4 | GROMMET AS | |
| | 13 | 1 | **3E-4356** | 4 | WASHER-HARD (6MM THK) | |

M-METRIC PART




GRAPHIC #1

g00714009

# *156-1667* INSTRUMENT GP

**S/N: AKA1-UP**

**OPEN ROPS**

**PART OF 157-0819 CHASSIS AR**

**SMCS-7450, 7451** **i01497213**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3E-0109** | 1 | PLUG-ROCKER SWITCH | |
| | 2 | 1 | **3S-2093** | 18 | STRAP-CABLE | |
| | 3 | 1 | **083-9527** | 1 | SPACER | |
| | 4 | 1 | **110-6109** | 1 | KNOB-CONTROL | |
| | 5 | 1 | **116-6203** | 1 | RESISTOR AS | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 6 | 1 | **122-7127** | 6 | NUT | |
| | 7 | 1 | **123-0304** | 1 | INDICATOR AS | |
| | | 1 | **115-1748** | 1 | LAMP (24 VOLT) | |
| | | 1 | **123-0306** | 1 | SOCKET AS | |
| | 8 | 1 | **123-9294** | 4 | LAMP (28 VOLT) | |
| | 9 | 1 | **133-9405** | 4 | SWITCH AS-PUSH BUTTON | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **3K-0835** | 1 | NUT (5/8-24 THD) | |
| | | 1 | **6F-0253** | 1 | LOCKWASHER | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 10 | 1 | **142-8858** | 1 | SWITCH AS-KEY START | |
| | | 1 | **167-1530** | 1 | NUT | |
| | 11 | 1 | **156-6288** | 1 | PANEL AS-INSTRUCTION | |
| | 12 | 1 | **157-2741** | 1 | GUARD-VANDALISM | |
| | 13 | 1 | **159-4712** | 1 | FILM-IDENTIFICATION | |
| | 14 | 1 | **159-4714** | 1 | FILM-IDENTIFICATION | |
| | 15 | 1 | **159-9257** | 1 | LIGHT-DASH PANEL | |
| | 16 | 1 | **164-0847** | 1 | CABLE | |
| | 17 | 1 | **164-9929** | 1 | FILM-IDENTIFICATION | |
| Y | 18 | 1 | **166-6928** | 1 | MODULE GP-QUAD GAUGE | 799 |
| Y | 19 | 1 | **168-0369** | 1 | MODULE GP-DISPLAY | 254 |
| | 20 | 1 | **175-1349** | 1 | PLATE | |
| | 21 | 1 | **175-3950** | 1 | SWITCH AS (LIGHTS) | |
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3389** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 1 | **9W-0852** | 7 | PIN-CONNECTOR | |
| | 22 | 1 | **178-3003** | 1 | COVER | |
| | 23 | 1 | **184-7766** | 1 | CONTROL GP-MONITOR (CATERPILLAR MONITORING SYSTEM) | |
| | 24 | 1 | **185-3533** | 7 | CLIP | |
| | 25 | 1 | **186-5097** | 1 | ROD | |
| | 26 | 1 | **186-5099** | 1 | LOCK AS | |
| | 27 | 1 | **194-1466** | 1 | CLIP | |
| | 28 | 1 | **199-9797** | 1 | HARNESS AS (INSTRUMENT) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | 1 | **102-8804** | 2 | KIT-RECEPTACLE (4 PIN) | |
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | 1 | **155-2260** | 7 | KIT-CONNECTING PLUG (3 PIN) | |

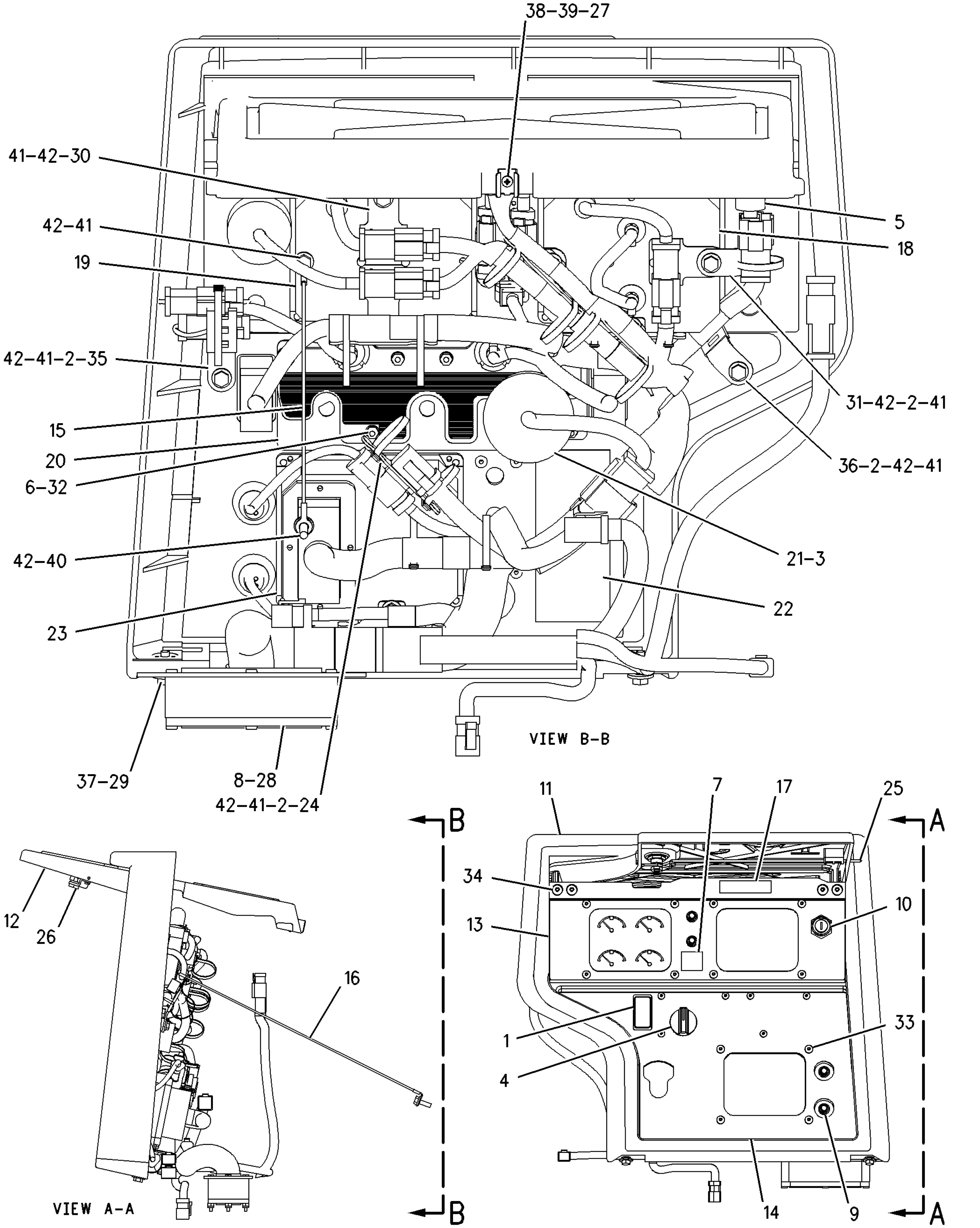
# OPERATOR STATION

## *156-1667* **INSTRUMENT GP** *(contd.)* **i01497213**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 1 | **155-2270** | 3 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2271** | 4 | KIT-CONNECTING PLUG (4 PIN) | |
| | | 1 | **155-2274** | 4 | KIT-CONNECTING PLUG (6 PIN) | |
| | | | | | (EACH CONNECTING PLUG KIT INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | 29 | 1 | **4M-5281** | 2 | BOLT (1/4-20X0.750 IN) | |
| | 30 | 1 | **130-5300** | 3 | CLIP | |
| | 31 | 1 | **132-5789** | 1 | CLIP | |
| | 32 | 1 | **198-9705** | 6 | SCREW-TRUSS HEAD | |
| | 33 | 1 | **198-9706** | 12 | SCREW-TRUSS HEAD | |
| | 34 | 1 | **198-9707** | 4 | SCREW-TRUSS HEAD | |
| | 35 | 1 | **4P-7581** | 2 | CLIP | |
| | 36 | 1 | **4P-8134** | 1 | CLIP | |
| | 37 | 1 | **5P-4115** | 2 | WASHER-HARD (7.2X19X2MM THK) | |
| M | 38 | 1 | **8T-0337** | 1 | SCREW-MACHINE (M4X0.7X12MM) | |
| M | 39 | 1 | **8T-2659** | 1 | LOCKNUT (M4X0.7 THD) | |
| M | 40 | 1 | **8T-4138** | 1 | BOLT (M6X1X20MM) | |
| M | 41 | 1 | **8T-4171** | 11 | BOLT (M6X1X12MM) | |
| | 42 | 1 | **8T-4205** | 12 | WASHER-HARD (7.2X14.5X2MM THK) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*156-1667* **INSTRUMENT GP** ***(contd.)*** **i01497213**




GRAPHIC #1

g00769501

# MEMORANDA

## *156-0244* INSTRUMENT GP-CAB

**S/N: AKA1-UP**

**PART OF 159-8367 CAB AR**

**SMCS-7451** **i01448405**

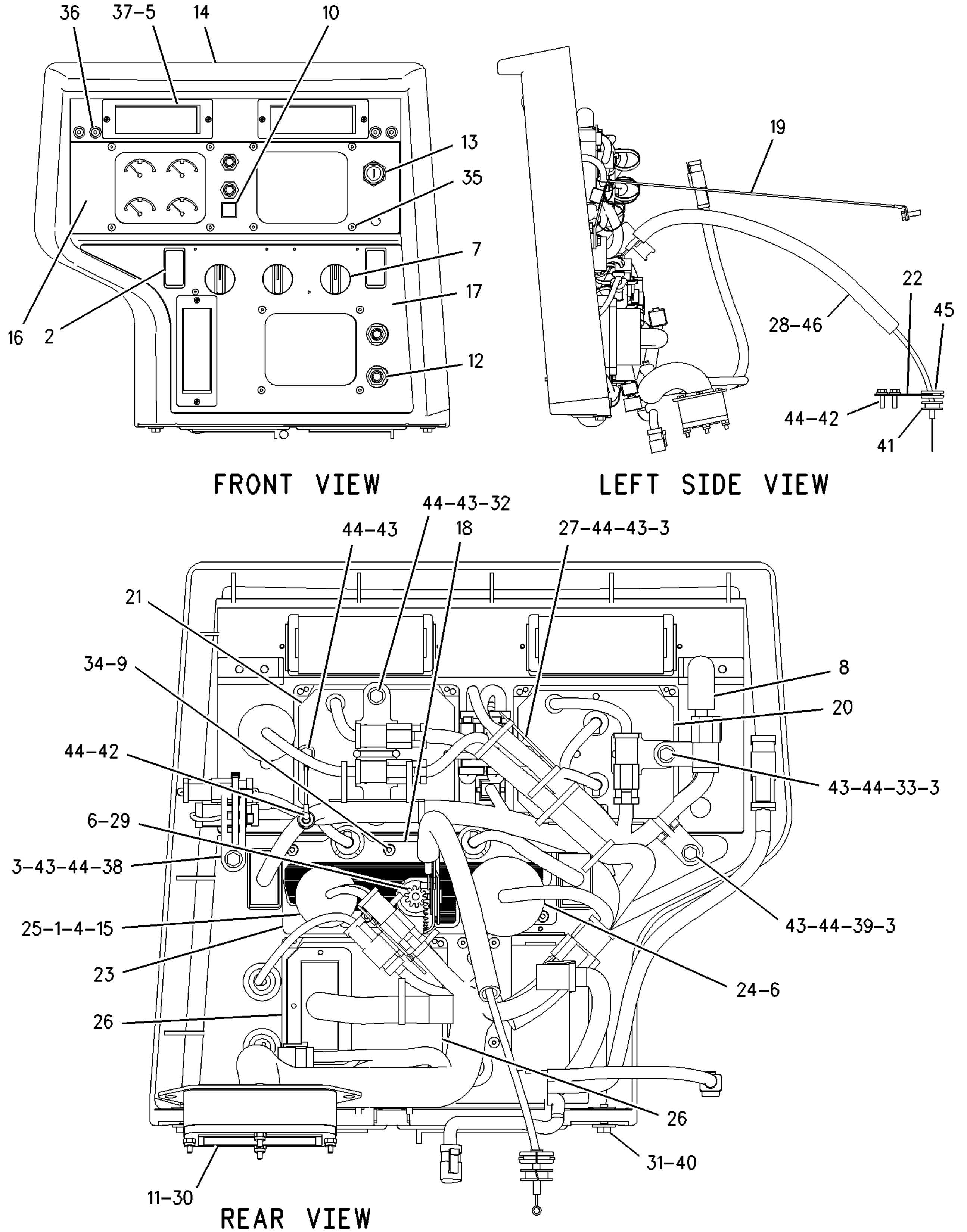
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2P-4339** | 1 | NUT-JAM (7/16-20 THD) | |
| | 2 | 1 | **3E-0109** | 2 | PLUG-ROCKER SWITCH | |
| | 3 | 1 | **3S-2093** | 18 | STRAP-CABLE | |
| | 4 | 1 | **7F-6998** | 1 | LOCKWASHER | |
| | 5 | 1 | **8Y-6388** | 5 | LOUVER AS | |
| | 6 | 1 | **083-9527** | 2 | SPACER | |
| | 7 | 1 | **110-6109** | 3 | KNOB-CONTROL | |
| | 8 | 1 | **116-6203** | 1 | RESISTOR AS | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 9 | 1 | **122-7127** | 6 | NUT | |
| | 10 | 1 | **123-0304** | 1 | INDICATOR AS | |
| | | 1 | **115-1748** | 1 | LAMP (24 VOLT) | |
| | | 1 | **123-0306** | 1 | SOCKET AS | |
| | 11 | 1 | **123-9294** | 4 | LAMP (28 VOLT) | |
| | 12 | 1 | **133-9405** | 4 | SWITCH AS-PUSH BUTTON | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **3E-3371** | 1 | WEDGE-RECEPTACLE LOCK (3 PIN) | |
| | | 1 | **3K-0835** | 1 | NUT (5/8-24 THD) | |
| | | 1 | **6F-0253** | 1 | LOCKWASHER | |
| | | 1 | **8T-8729** | 3 | PIN-CONNECTOR | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 13 | 1 | **142-8858** | 1 | SWITCH AS-KEY START | |
| | | 1 | **167-1530** | 1 | NUT | |
| | 14 | 1 | **156-6287** | 1 | PANEL AS-INSTRUMENT | |
| | 15 | 1 | **157-1361** | 1 | SWITCH AS (BLOWER) | |
| | | 1 | **3E-3383** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 1 | **9W-0852** | 6 | PIN-CONNECTOR | |
| | | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 16 | 1 | **159-4712** | 1 | FILM-IDENTIFICATION | |
| | 17 | 1 | **159-4713** | 1 | FILM-IDENTIFICATION | |
| | 18 | 1 | **159-9257** | 1 | LIGHT-DASH PANEL | |
| | 19 | 1 | **164-0847** | 1 | CABLE | |
| Y | 20 | 1 | **166-6928** | 1 | MODULE GP-QUAD GAUGE | 799 |
| Y | 21 | 1 | **168-0369** | 1 | MODULE GP-DISPLAY | 254 |
| | 22 | 1 | **170-0260** | 1 | PLATE | |
| | 23 | 1 | **175-1349** | 1 | PLATE | |
| | 24 | 1 | **175-3950** | 1 | SWITCH AS (LIGHTS) | |
| | | 1 | **3E-3389** | 1 | WEDGE-RECEPTACLE LOCK | |
| | | 1 | **9W-0852** | 7 | PIN-CONNECTOR | |
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 25 | 1 | **175-4393** | 1 | SPACER (11.4X17.5X2MM THK) | |
| | 26 | 1 | **184-7766** | 1 | CONTROL GP-MONITOR (CATERPILLAR MONITORING SYSTEM) | |
| | 27 | 1 | **185-3533** | 7 | CLIP | |
| | 28 | 1 | **193-3356** | 1 | CABLE | |
| | 29 | 1 | **193-3359** | 1 | CONTROL AS (TEMPERATURE) | |
| | 30 | 1 | **199-9797** | 1 | HARNESS AS (INSTRUMENT) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | 1 | **102-8803** | 1 | KIT-RECEPTACLE (3 PIN) | |
| | | 1 | **102-8804** | 2 | KIT-RECEPTACLE (4 PIN) | |

## *156-0244* **INSTRUMENT GP-CAB** *(contd.)* i01448405

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (EACH RECEPTACLE KIT INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | 1 | **155-2260** | 7 | KIT-CONNECTING PLUG (3 PIN) | |
| | | 1 | **155-2270** | 3 | KIT-CONNECTING PLUG (2 PIN) | |
| | | 1 | **155-2271** | 4 | KIT-CONNECTING PLUG (4 PIN) | |
| | | 1 | **155-2274** | 4 | KIT-CONNECTING PLUG (6 PIN) | |
| | | | | | (EACH PLUG KIT INCLUDES PLUG AS,WEDGE & INTERFACE SEAL | |
| | 31 | 1 | **0S-1615** | 2 | BOLT (1/4-20X0.75 IN) | |
| | 32 | 1 | **130-5300** | 3 | CLIP | |
| | 33 | 1 | **132-5789** | 1 | CLIP | |
| | 34 | 1 | **198-9705** | 6 | SCREW-TRUSS HEAD | |
| | 35 | 1 | **198-9706** | 12 | SCREW-TRUSS HEAD | |
| | 36 | 1 | **198-9707** | 4 | SCREW-TRUSS HEAD | |
| | 37 | 1 | **3E-6922** | 10 | SCREW-RECESS FLAT HEAD (NO. 6-19X12.7MM) | |
| | 38 | 1 | **4P-7581** | 2 | CLIP | |
| | 39 | 1 | **4P-8134** | 1 | CLIP | |
| | 40 | 1 | **5P-4115** | 2 | WASHER-HARD (7.2X19X2MM THK) | |
| | 41 | 1 | **6P-6591** | 1 | GROMMET | |
| M | 42 | 1 | **8T-4138** | 3 | BOLT (M6X1X20MM) | |
| M | 43 | 1 | **8T-4171** | 11 | BOLT (M6X1X12MM) | |
| | 44 | 1 | **8T-4205** | 14 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 45 | 1 | **9D-3769** | 1 | GROMMET | |
| BD | 46 | 1 | **195-2194** | | TUBING-BULK | |

B-USE AS REQUIRED
D-ORDER BY THE METER
M-METRIC PART
Y-SEPARATE ILLUSTRATION

*156-0244* **INSTRUMENT GP-CAB** ***(contd.)*** **i01448405**




GRAPHIC #1

g00767004

# MEMORANDA

# OPERATOR STATION

## *158-7695* LINER GP-CAB

**S/N: AKA1-UP**

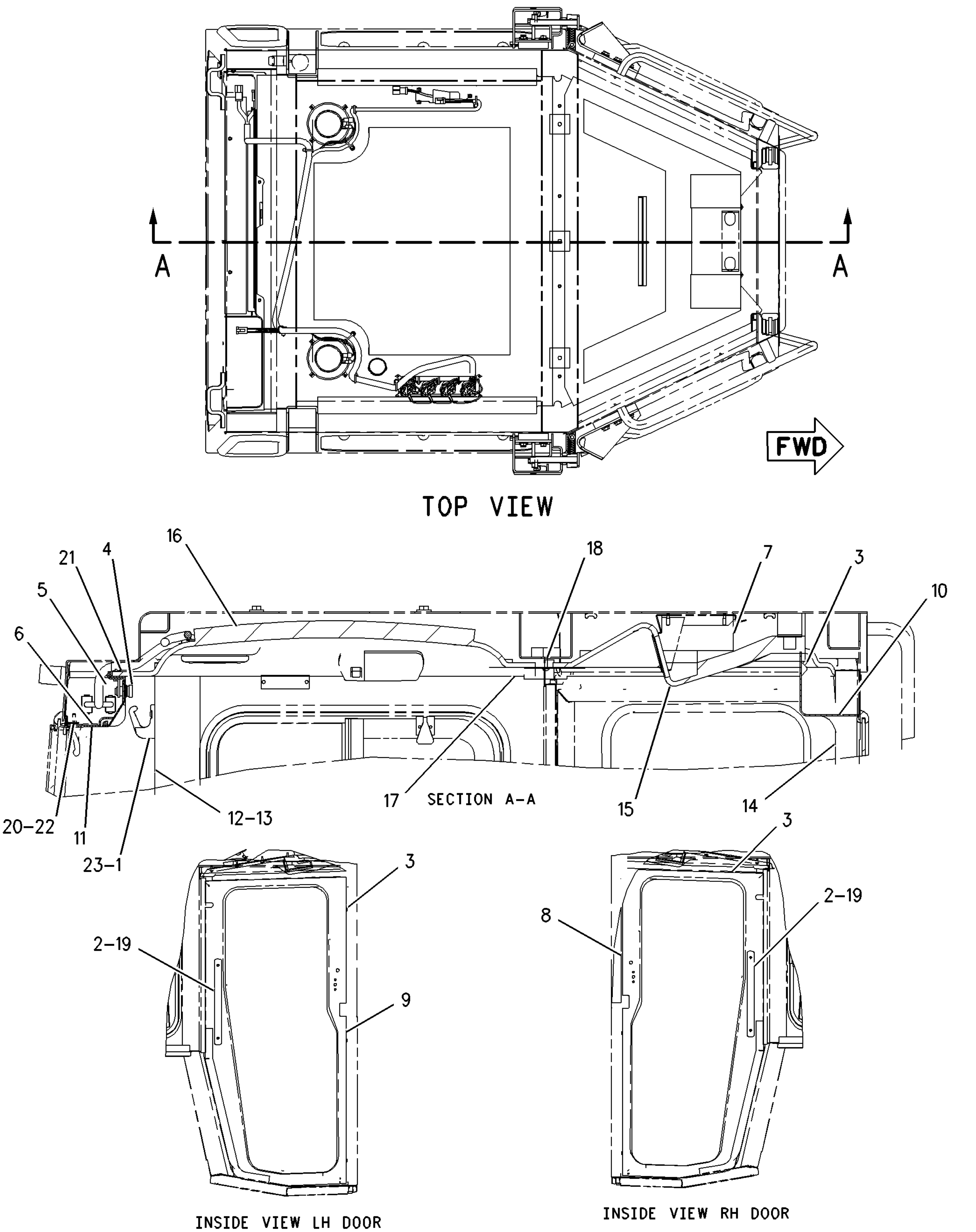
**PART OF 158-7694 CAB AR**

**SMCS-7329** **i01474817**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | *6V-8928* | 1 | HOOK-COAT | |
| | 2 | 1 | **110-8152** | 2 | HANDLE AS-PULL | |
| M | 3 | 1 | **9X-2043** | 14 | SCREW-TRUSS HEAD (M6X1X14MM) | |
| | 4 | 1 | **126-3492** | 1 | HANDLE AS | |
| | 5 | 1 | **131-5176** | 1 | PLATE | |
| | 6 | 1 | **137-8708** | 1 | PLATE | |
| | 7 | 1 | **158-8906** | 2 | BLOCK-FOAM | |
| | 8 | 1 | **161-1083** | 1 | COVER-DOOR (RH) | |
| | 9 | 1 | **161-1084** | 1 | COVER-DOOR (LH) | |
| | 10 | 1 | **161-1085** | 1 | COVER-FRONT | |
| | 11 | 1 | **161-1086** | 1 | COVER AS | |
| | 12 | 1 | **161-1091** | 1 | COVER-POST (RH) | |
| | 13 | 1 | **161-1092** | 1 | COVER-POST (LH) | |
| | 14 | 1 | **161-1093** | 2 | TRIM-POST | |
| | 15 | 1 | **161-1094** | 1 | HEADLINER-FRONT | |
| Y | 16 | 1 | *161-1096* | 1 | LINER GP-CAB | 780 |
| | 17 | 1 | **161-1098** | 1 | RETAINER | |
| M | 18 | 1 | **3E-8020** | 4 | SCREW-TRUSS HEAD (M6X1X25MM) | |
| M | 19 | 1 | **6V-5683** | 4 | BOLT (M6X1X16MM) | |
| M | 20 | 1 | **6V-8225** | 2 | NUT (M6X1 THD) | |
| M | 21 | 1 | **8T-4181** | 2 | BOLT (M6X1X20MM) | |
| | 22 | 1 | **9X-8267** | 2 | WASHER (6.6X12X2MM THK) | |
| M | 23 | 1 | **9X-2045** | 1 | SCREW-TRUSS HEAD (M6X1X20MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*158-7695* **LINER GP-CAB** ***(contd.)*** **i01474817**




GRAPHIC #1

g00722401

# OPERATOR STATION

## *161-1096* LINER GP-CAB

**S/N: AKA1-UP**

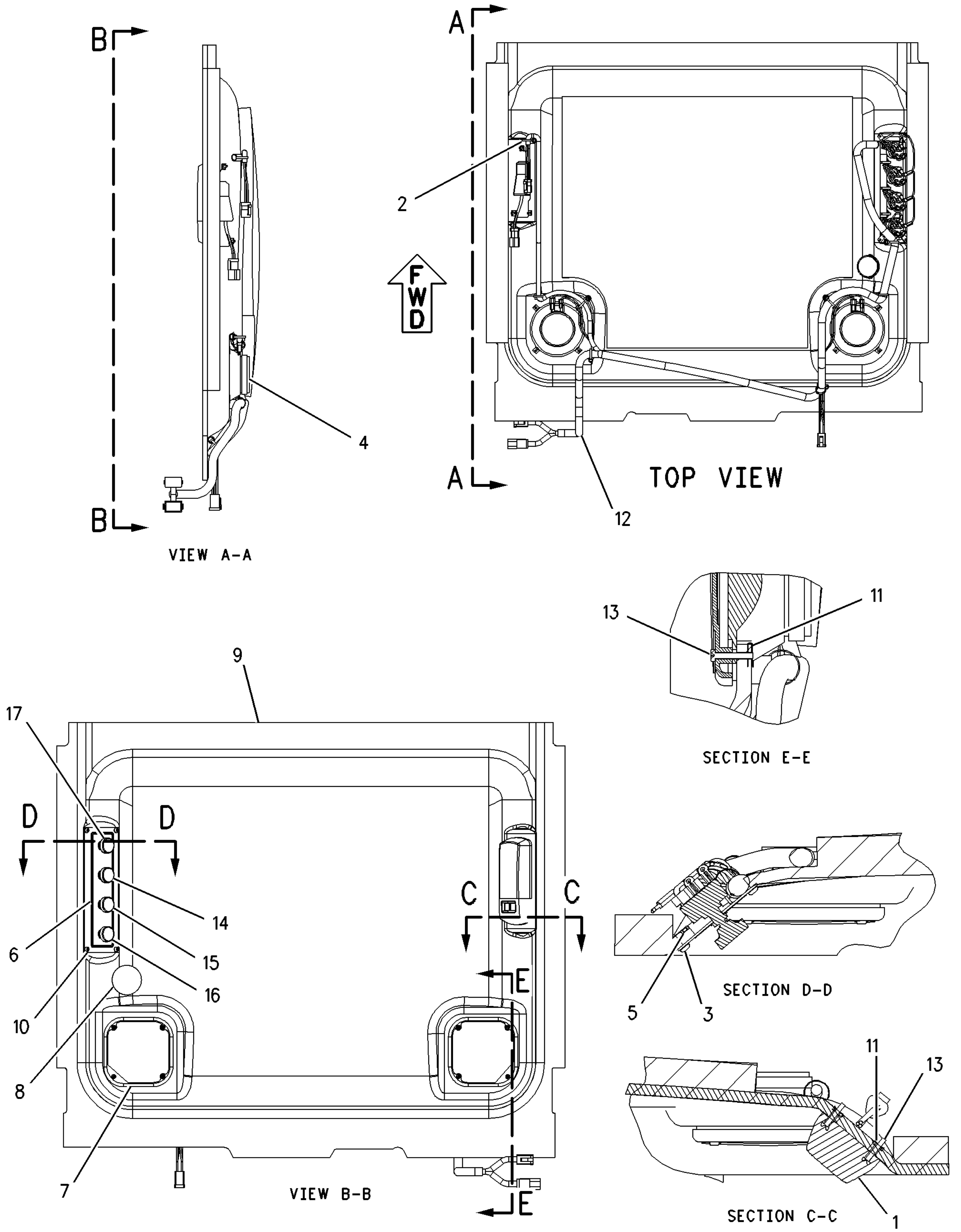
**PART OF 158-7695 LINER GP-CAB**

**SMCS-7329** **i01475159**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **3E-6389** | 1 | LAMP GP-DOME (24 VOLT)(WITH SWITCH) | 229 |
| | 2 | 1 | **3S-2093** | 11 | STRAP-CABLE | |
| M | 3 | 1 | **7Y-7388** | 4 | SCREW-BUTTON HEAD (M5X0.8X12MM) | |
| | 4 | 1 | **6T-7695** | 2 | SPEAKER AS-RADIO | |
| | 5 | 1 | **8T-4752** | 4 | NUT (M5X0.8-6H THD) | |
| | 6 | 1 | **9U-9942** | 1 | FILM-IDENTIFICATION | |
| | 7 | 1 | **101-3055** | 2 | COVER-SPEAKER | |
| | 8 | 1 | **131-5137** | 1 | PLUG | |
| | 9 | 1 | **161-1097** | 1 | HEADLINER-REAR | |
| | 10 | 1 | **161-1099** | 1 | PLATE | |
| | 11 | 1 | **166-3733** | 11 | NUT-SPEED | |
| | 12 | 1 | **169-9636** | 1 | HARNESS AS | |
| | 13 | 1 | **103-9425** | 11 | SCREW-MACHINE (8-32X1 IN) | |
| | 14 | 1 | **3T-6655** | 1 | SWITCH AS-ROTARY (WIPER/WASHER) (RH DOOR) | |
| | 15 | 1 | **3T-6655** | 1 | SWITCH AS-ROTARY (WIPER/WASHER) (LH DOOR) | |
| | 16 | 1 | **3T-6655** | 1 | SWITCH AS-ROTARY (WIPER/WASHER) (FRONT) | |
| | 17 | 1 | **3T-6655** | 1 | SWITCH AS-ROTARY (WIPER/WASHER) (REAR) | |
| | | | | | (EACH SWITCH AS INCLUDES) | |
| | | 1 | **7T-9302** | 1 | KNOB | |
| | | 1 | **2H-3920** | 1 | LOCKWASHER | |
| | | 1 | **6V-8369** | 1 | NUT (7/16-28 THD) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION

*161-1096* **LINER GP-CAB** ***(contd.)*** **i01475159**




GRAPHIC #1 g00672355

# OPERATOR STATION

## *159-3967* LINES GP-AIR CONDITIONER

**S/N: AKA1-UP**

**PART OF 158-6439 AIR CONDITIONER AR**

**SMCS-1808** **i01446210**

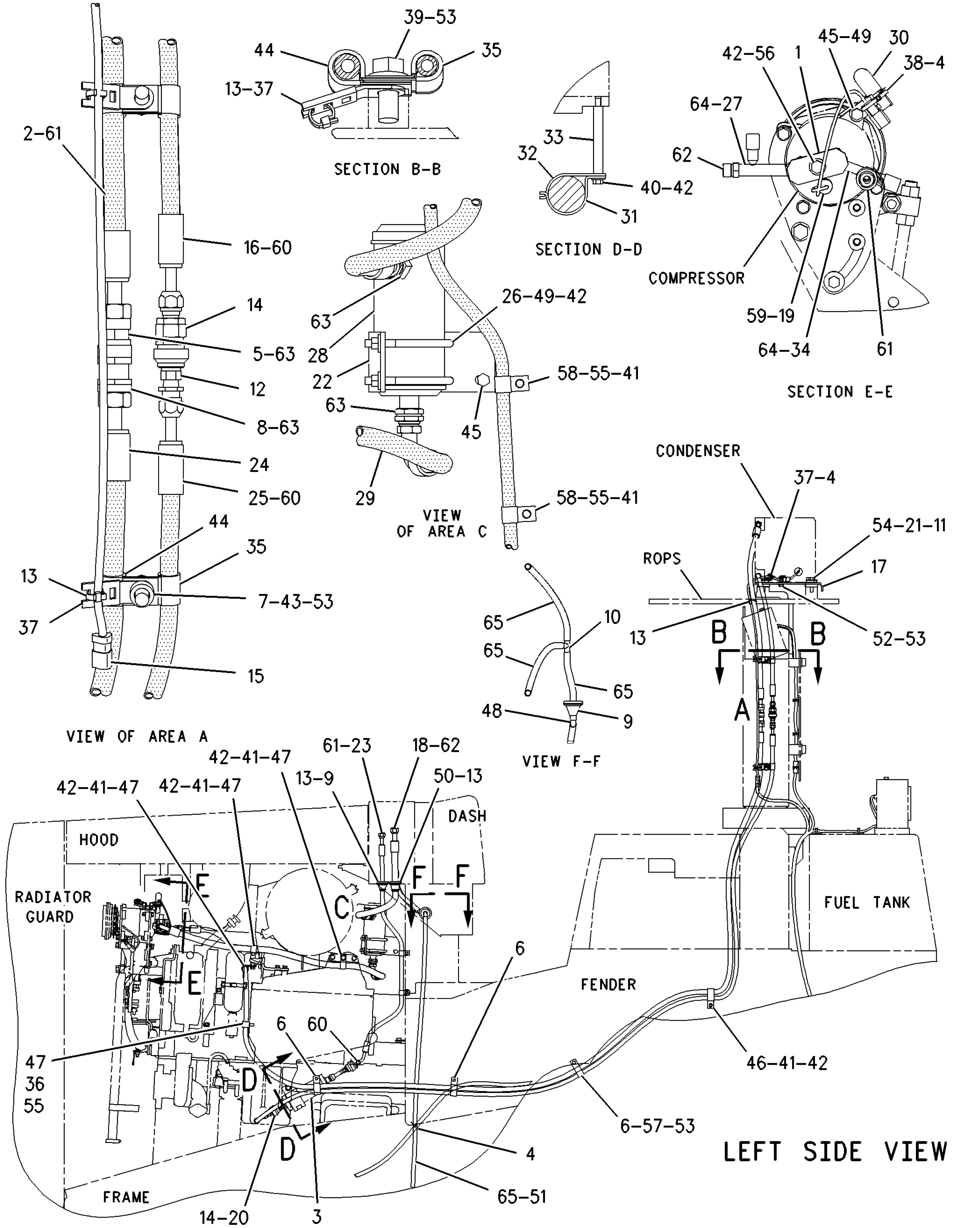
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1P-6356** | 1 | PLATE | |
| I | 2 | 1 | **1Q-1998** | 1 | HOSE AS | |
| | 3 | 1 | **3E-3535** | 1 | RECEIVER DRYER AS (AIR CONDITIONER) | |
| | 4 | 1 | **3S-2093** | 4 | STRAP-CABLE | |
| | 5 | 1 | **5P-3948** | 1 | COUPLING AS-REFRIGERANT | |
| | | 1 | **7F-8607** | 1 | SEAL-O-RING | |
| | | 1 | **107-4399** | 1 | VALVE AS (AIR CONDITIONER) | |
| | 6 | 1 | **6D-2667** | 3 | CLIP | |
| | 7 | 1 | **6L-1698** | 1 | SPACER | |
| | 8 | 1 | **7K-3176** | 1 | COUPLING AS | |
| | | 1 | **107-4393** | 1 | VALVE AS (AIR CONDITIONER) | |
| | | 1 | **107-4394** | 1 | GASKET | |
| | 9 | 1 | **7T-9426** | 2 | GROMMET | |
| | 10 | 1 | **8C-5682** | 1 | TEE | |
| | 11 | 1 | **8D-3932** | 4 | MOUNTING | |
| | 12 | 1 | **9X-0358** | 1 | NIPPLE AS | |
| | 13 | 1 | **9X-6772** | 5 | STRAP-CABLE | |
| | 14 | 1 | **103-6100** | 3 | COUPLER AS-QUICK | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **9X-7382** | 2 | SEAL-O-RING | |
| | 15 | 1 | **110-2915** | 1 | HARNESS AS | |
| | | 1 | **155-2260** | 2 | KIT-CONNECTING PLUG (3 PIN) | |
| | | | | | (EACH INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| I | 16 | 1 | **110-2969** | 1 | HOSE AS | |
| | 17 | 1 | **110-4506** | 1 | PLATE | |
| I | 18 | 1 | **114-0929** | 1 | HOSE AS | |
| | 19 | 1 | **114-5333** | 1 | SWITCH AS-PRESSURE (AIR CONDITIONER HIGH/LOW) | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | 20 | 1 | **116-6202** | 2 | BOOT | |
| | 21 | 1 | **134-0165** | 4 | WASHER (13.8X45X3MM THK) | |
| | 22 | 1 | **162-8053** | 1 | BRACKET | |
| I | 23 | 1 | **162-8054** | 1 | HOSE AS | |
| I | 24 | 1 | **162-8056** | 1 | HOSE AS | |
| I | 25 | 1 | **162-8057** | 1 | HOSE AS | |
| | 26 | 1 | **169-5452** | 2 | U-BOLT | |
| | 27 | 1 | **179-2891** | 1 | FITTING AS-AIR CONDITIONER | |
| | 28 | 1 | **186-6189** | 1 | ACCUMULATOR-REFRIGERANT | |
| I | 29 | 1 | **199-4066** | 1 | HOSE AS | |
| | 30 | 1 | **106-8704** | 1 | SUPPRESSOR AS-ARC | |
| | | 1 | **3E-3365** | 1 | WEDGE-RECEPTACLE LOCK (2 PIN) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 31 | 1 | **109-1633** | 1 | CLIP (SLOT) | |
| | 32 | 1 | **109-1634** | 1 | CLIP (TAB) | |
| | 33 | 1 | **188-5145** | 1 | TUBE | |
| | 34 | 1 | **3E-4066** | 1 | FITTING AS-AIR CONDITIONER | |
| | | 1 | **3E-4052** | 1 | CAP-SEAL (AIR CONDITIONER)(HIGH SIDE) | |
| | | 1 | **3E-4058** | 1 | VALVE AS-AIR CONDITIONER (HIGH SIDE) | |
| | 35 | 1 | **4K-8302** | 2 | CLIP | |
| | 36 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 37 | 1 | **4P-7428** | 3 | CLIP | |
| | 38 | 1 | **4P-8134** | 2 | CLIP | |
| | 39 | 1 | **5C-6565** | 1 | BOLT (1/2-13X1.25 IN) | |
| | 40 | 1 | **5F-4899** | 1 | BOLT (3/8-16X5.5 IN) | |

## *159-3967* **LINES GP-AIR CONDITIONER** *(contd.)* i01446210

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 41 | 1 | **5M-3062** | 6 | BOLT (3/8-16X0.75 IN) | |
| | 42 | 1 | **5P-1075** | 10 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 43 | 1 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 44 | 1 | **5P-4295** | 2 | CLIP | |
| | 45 | 1 | **5S-7383** | 3 | BOLT (3/8-16X1.75 IN) | |
| | 46 | 1 | **6D-1641** | 1 | CLIP | |
| | 47 | 1 | **6D-4636** | 4 | CLIP | |
| | 48 | 1 | **6V-2372** | 1 | ELBOW-BARBED | |
| | 49 | 1 | **6V-8801** | 5 | NUT (3/8-16 THD) | |
| | 50 | 1 | **7T-8894** | 1 | GROMMET | |
| | 51 | 1 | **7T-9793** | 1 | VALVE (CHECK) (A/C EVAPORATOR DRAIN) | |
| M | 52 | 1 | **8T-4139** | 4 | BOLT (M12X1.75X30MM) | |
| | 53 | 1 | **8T-4223** | 7 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 54 | 1 | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |
| | 55 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| M | 56 | 1 | **8T-6466** | 1 | BOLT (M10X1.50X60MM) | |
| | 57 | 1 | **8T-9383** | 1 | BOLT (1/2-13X0.75 IN) | |
| | 58 | 1 | **9M-8406** | 2 | CLIP | |
| | 59 | 1 | **9X-7378** | 1 | SEAL-O-RING | |
| | 60 | 1 | **9X-7380** | 5 | SEAL-O-RING | |
| | 61 | 1 | **9X-7381** | 3 | SEAL-O-RING | |
| | 62 | 1 | **9X-7382** | 2 | SEAL-O-RING | |
| | 63 | 1 | **9X-7383** | 4 | SEAL-O-RING | |
| | 64 | 1 | **9X-7385** | 2 | SEAL-O-RING | |
| BD | 65 | 1 | **5P-6129** | | TUBE | |

B-USE AS REQUIRED
D-ORDER BY THE METER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

*159-3967* **LINES GP-AIR CONDITIONER** *(contd.)* **i01446210**




GRAPHIC #1 g00762779

# MEMORANDA

# *159-3968* LINES GP-AIR CONDITIONER

**S/N: AKA1-UP**

**PART OF 158-2960 AIR CONDITIONER AR**

**SMCS-1808** **i01446171**

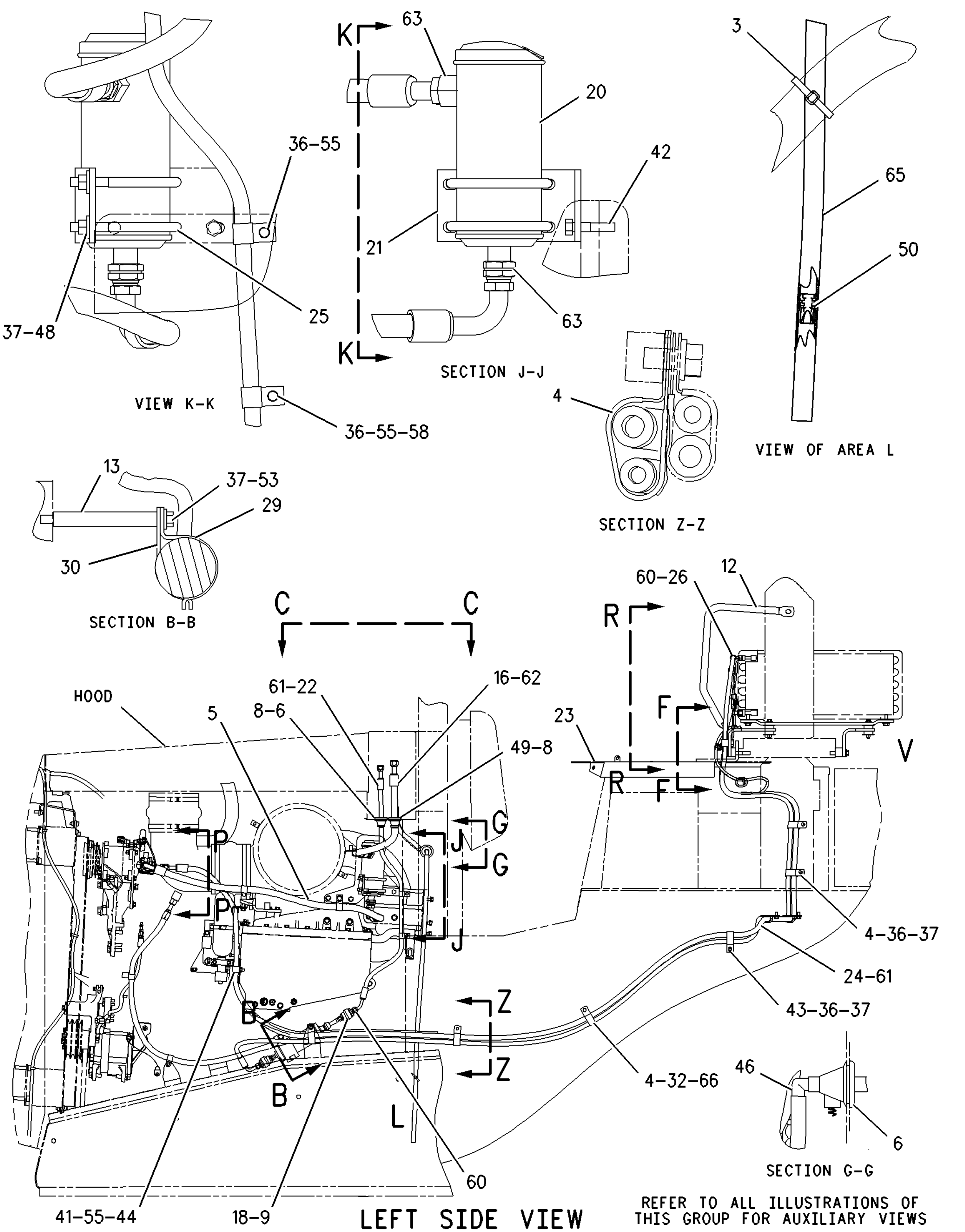
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 2 | **1P-6356** | 1 | PLATE | |
| | 2 | 2 | **3E-3535** | 1 | RECEIVER DRYER AS (AIR CONDITIONER) | |
| | | 2 | **7X-2049** | 1 | TUBE AS-REFRIGERANT ORIFICE | |
| | 3 | 1,2 | **3S-2093** | 3 | STRAP-CABLE | |
| | 4 | 1,2 | **6D-2667** | 7 | CLIP | |
| I | 5 | 1 | **199-4066** | 1 | HOSE AS | |
| | 6 | 1 | **7T-9426** | 2 | GROMMET | |
| | 7 | 2 | **8C-5682** | 1 | TEE | |
| | 8 | 1,2 | **9X-6772** | 7 | STRAP-CABLE | |
| | 9 | 1 | **103-6100** | 2 | COUPLER AS-QUICK | |
| | | 1 | **9X-7382** | 2 | SEAL-O-RING | |
| | 10 | 2 | **106-8704** | 1 | SUPPRESSOR AS-ARC | |
| | | 2 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 11 | 2 | **107-8438** | 1 | BRACKET AS | |
| | 12 | 1 | **107-8439** | 1 | HANDHOLD-RH | |
| | 13 | 1 | **188-5145** | 1 | TUBE | |
| | 14 | 2 | **198-0156** | 1 | BRACKET AS | |
| | | 2 | **7T-1099** | 1 | LINK | |
| | | 2 | **1F-0748** | 1 | NUT-WELD (1/2-13 THD) | |
| | | 2 | **8T-5911** | 1 | NUT-WELD (1/2-13 THD) | |
| | 15 | 2 | **111-7272** | 1 | BRACKET | |
| I | 16 | 1 | **114-0929** | 1 | HOSE AS | |
| | 17 | 2 | **114-5333** | 1 | SWITCH AS-PRESSURE (HIGH/LOW) | |
| | | 2 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 2 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 18 | 1 | **116-6202** | 2 | BOOT | |
| | 19 | 2 | **121-3307** | 4 | MOUNT AS-RUBBER | |
| | | 2 | **8T-4226** | 1 | WASHER-PLATED (10.5X45X3MM THK) | |
| | 20 | 1 | **186-6189** | 1 | ACCUMULATOR-REFRIGERANT | |
| | 21 | 1 | **162-8053** | 1 | BRACKET | |
| I | 22 | 1 | **162-8054** | 1 | HOSE AS | |
| | 23 | 1 | **165-7004** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | | 1 | **4K-8501** | 2 | CLIP | |
| | | 1 | **7G-9913** | 1 | DOOR | |
| | | 1 | **9B-2052** | 1 | HINGE | |
| | 24 | 1 | **165-7854** | 1 | HOSE AS | |
| | 25 | 1 | **169-5452** | 2 | U-BOLT | |
| | 26 | 1 | **170-5944** | 1 | HOSE AS | |
| | 27 | 2 | **173-7148** | 1 | HARNESS AS | |
| | 28 | 2 | **179-2891** | 1 | FITTING AS-AIR CONDITIONER | |
| | 29 | 1 | **109-1633** | 1 | CLIP (SLOT) | |
| | 30 | 1 | **109-1634** | 1 | CLIP (TAB) | |
| | 31 | 2 | **3E-4066** | 1 | FITTING AS-AIR CONDITIONER | |
| | | 2 | **3E-4052** | 1 | CAP-SEAL (AIR CONDITIONER)(HIGH SIDE) | |
| | | 2 | **3E-4058** | 1 | VALVE AS-AIR CONDITIONER (HIGH SIDE) | |
| | 32 | 1 | **8T-9383** | 1 | BOLT (1/2-13X0.75 IN) | |
| | 33 | 2 | **4L-6459** | 4 | BOLT (3/8-16X2.5 IN) | |
| | 34 | 2 | **4P-7428** | 1 | CLIP | |
| | 35 | 2 | **4P-8134** | 3 | CLIP | |
| | 36 | 1,2 | **5M-3062** | 10 | BOLT (3/8-16X0.75 IN) | |
| | 37 | 1,2 | **5P-1075** | 18 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 38 | 2 | **5P-1076** | 11 | WASHER-HARD (13.5X30X4MM THK) | |

## *159-3968* **LINES GP-AIR CONDITIONER** *(contd.)* i01446171

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 39 | 2 | **5P-2228** | 1 | BOLT (1/2-13X1 IN) | |
| | 40 | 2 | **5P-2566** | 1 | BOLT (1/2-13X1.5 IN) | |
| | 41 | 1 | **4L-6454** | 1 | BOLT (3/8-16X1 IN) | |
| | 42 | 1,2 | **5S-7383** | 3 | BOLT (3/8-16X1.75 IN) | |
| | 43 | 1 | **6D-1641** | 1 | CLIP | |
| | 44 | 1,2 | **6D-4636** | 4 | CLIP | |
| | 45 | 2 | **6D-7573** | 1 | CLIP | |
| | 46 | 1 | **6V-2372** | 1 | ELBOW-BARBED | |
| | 47 | 2 | **6V-8188** | 1 | NUT (1/2-13 THD) | |
| | 48 | 1,2 | **6V-8801** | 9 | NUT (3/8-16 THD) | |
| | 49 | 1 | **7T-8894** | 1 | GROMMET | |
| | 50 | 1 | **7T-9793** | 1 | VALVE (CHECK) | |
| | 51 | 2 | **7X-0325** | 2 | BOLT (1/2-13X2.5 IN) | |
| | 52 | 2 | **7X-0328** | 2 | BOLT (1/2-13X3.50 IN) | |
| | 53 | 1 | **5F-4899** | 1 | BOLT (3/8-16X5.5 IN) | |
| | 54 | 2 | **8T-4226** | 8 | WASHER-PLATED (10.5X45X3MM THK) | |
| | 55 | 1 | **8T-4896** | 3 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| M | 56 | 2 | **8T-4956** | 4 | BOLT (M12X1.75X35MM) | |
| M | 57 | 2 | **8T-6466** | 1 | BOLT (M10X1.50X60MM) | |
| | 58 | 1 | **9M-8406** | 2 | CLIP | |
| | 59 | 2 | **9X-7378** | 1 | SEAL-O-RING | |
| | 60 | 1 | **9X-7380** | 3 | SEAL-O-RING | |
| | 61 | 1 | **9X-7381** | 3 | SEAL-O-RING | |
| | 62 | 1,2 | **9X-7382** | 2 | SEAL-O-RING | |
| | 63 | 1 | **9X-7383** | 2 | SEAL-O-RING | |
| | 64 | 2 | **9X-7385** | 2 | SEAL-O-RING | |
| BD | 65 | 1,2 | **5P-6129** | | TUBE | |
| | 66 | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

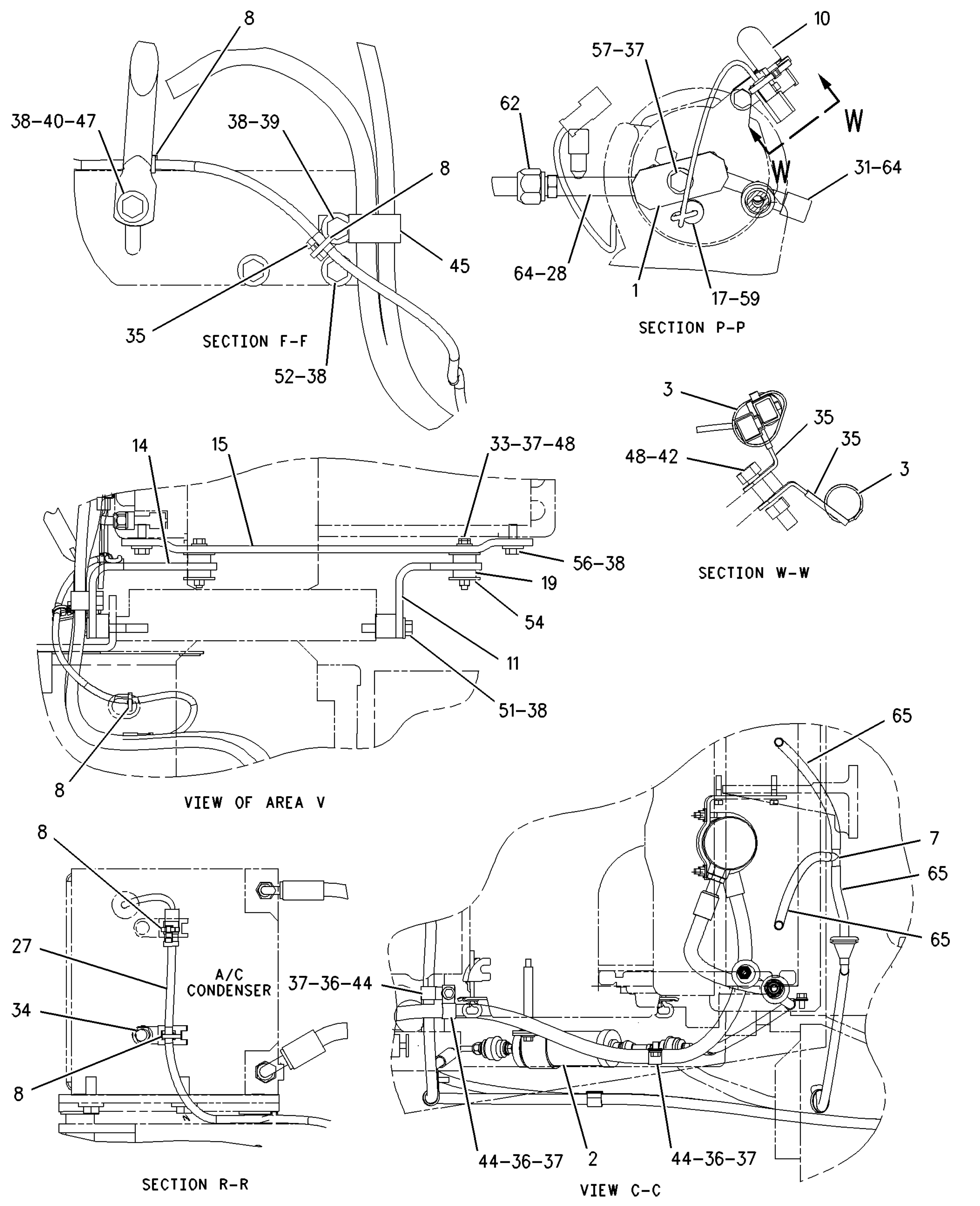
*159-3968* **LINES GP-AIR CONDITIONER** ***(contd.)*** **i01446171**




GRAPHIC #1

g00701878

*159-3968* **LINES GP-AIR CONDITIONER** ***(contd.)*** **i01446171**




GRAPHIC #2 g00701797

# OPERATOR STATION

## *159-3969* LINES GP-AIR CONDITIONER

**S/N: AKA1-UP**

**PART OF 158-2959 AIR CONDITIONER AR**

**SMCS-1808** **i01445771**

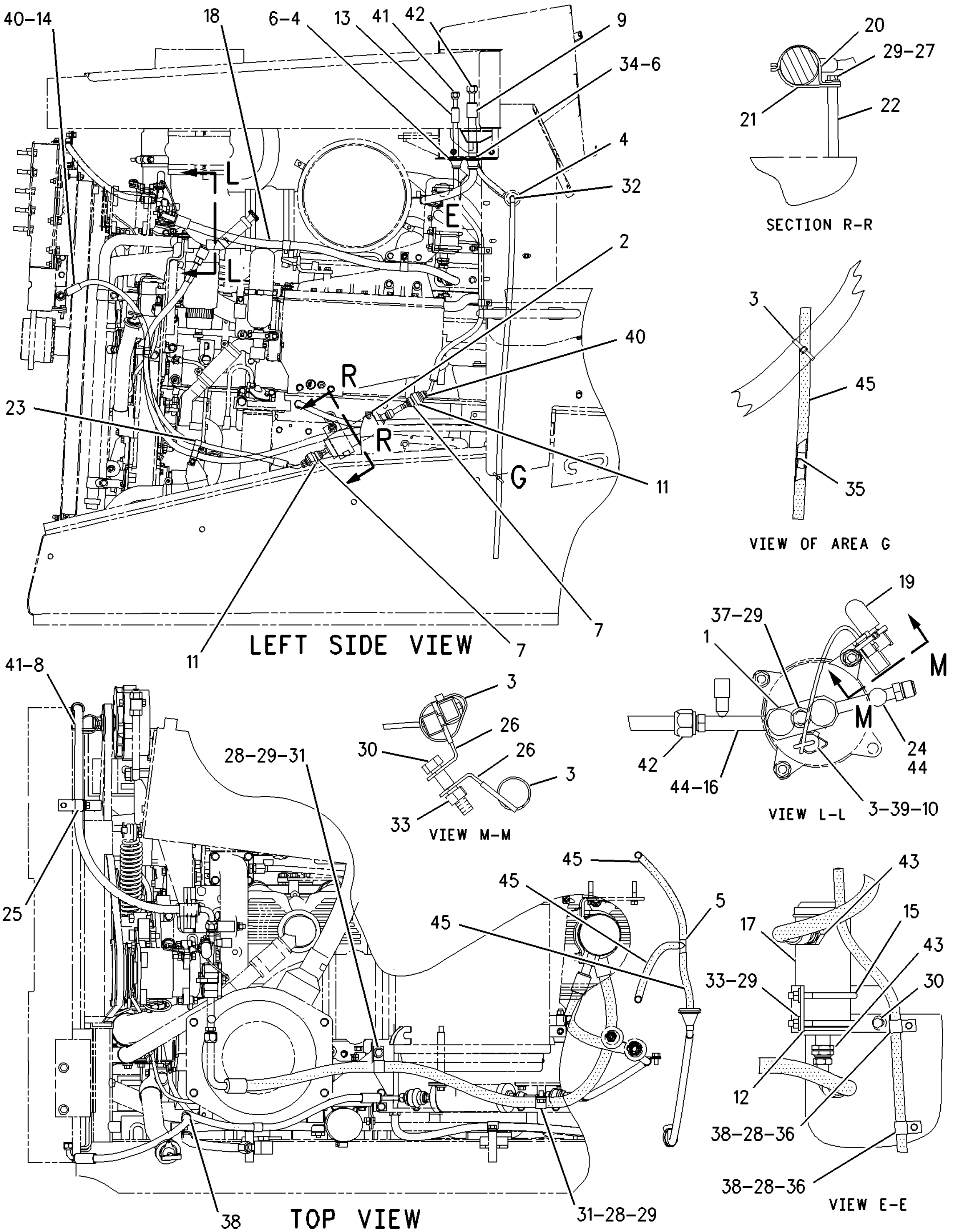
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1P-6356** | 1 | PLATE | |
| | 2 | 1 | **3E-3535** | 1 | RECEIVER DRYER AS (AIR CONDITIONER) | |
| | | 1 | **7X-2049** | 1 | TUBE AS-REFRIGERANT ORIFICE | |
| | 3 | 1 | **3S-2093** | 4 | STRAP-CABLE | |
| | 4 | 1 | **7T-9426** | 2 | GROMMET | |
| | 5 | 1 | **8C-5682** | 1 | TEE | |
| | 6 | 1 | **9X-6772** | 2 | STRAP-CABLE | |
| | 7 | 1 | **103-6100** | 2 | COUPLER AS-QUICK | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **9X-7382** | 2 | SEAL-O-RING | |
| I | 8 | 1 | **111-7266** | 1 | HOSE AS | |
| I | 9 | 1 | **114-0929** | 1 | HOSE AS | |
| | 10 | 1 | **114-5333** | 1 | SWITCH AS-PRESSURE | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 11 | 1 | **116-6202** | 2 | BOOT | |
| | 12 | 1 | **162-8053** | 1 | BRACKET | |
| I | 13 | 1 | **162-8054** | 1 | HOSE AS | |
| | 14 | 1 | **166-0266** | 1 | HOSE AS | |
| | 15 | 1 | **169-5452** | 2 | U-BOLT | |
| | 16 | 1 | **179-2891** | 1 | FITTING AS-AIR CONDITIONER | |
| | 17 | 1 | **186-6189** | 1 | ACCUMULATOR-REFRIGERANT | |
| I | 18 | 1 | **199-4066** | 1 | HOSE AS | |
| | 19 | 1 | **106-8704** | 1 | SUPPRESSOR AS-ARC | |
| | | 1 | **102-8802** | 1 | KIT-RECEPTACLE (2 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | | 1 | **8T-8729** | 2 | PIN-CONNECTOR | |
| | 20 | 1 | **109-1633** | 1 | CLIP (SLOT) | |
| | 21 | 1 | **109-1634** | 1 | CLIP (TAB) | |
| | 22 | 1 | **188-5145** | 1 | TUBE | |
| | 23 | 1 | **1P-7009** | 1 | CLIP | |
| | 24 | 1 | **3E-4053** | 1 | FITTING AS-AIR CONDITIONER | |
| | | 1 | **3E-4052** | 1 | CAP-SEAL (AIR CONDITIONER)(HIGH SIDE) | |
| | | 1 | **3E-4058** | 1 | VALVE AS-AIR CONDITIONER (HIGH SIDE) | |
| | 25 | 1 | **4D-7735** | 1 | CLIP | |
| | 26 | 1 | **4P-8134** | 2 | CLIP | |
| | 27 | 1 | **5F-4899** | 1 | BOLT (3/8-16X5.5 IN) | |
| | 28 | 1 | **5M-3062** | 4 | BOLT (3/8-16X0.75 IN) | |
| | 29 | 1 | **5P-1075** | 8 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 30 | 1 | **5S-7383** | 3 | BOLT (3/8-16X1.75 IN) | |
| | 31 | 1 | **6D-4636** | 2 | CLIP | |
| | 32 | 1 | **6V-2372** | 1 | ELBOW-BARBED | |
| | 33 | 1 | **6V-8801** | 5 | NUT (3/8-16 THD) | |
| | 34 | 1 | **7T-8894** | 1 | GROMMET | |
| | 35 | 1 | **7T-9793** | 1 | VALVE (CHECK) | |
| | 36 | 1 | **8T-4896** | 2 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| M | 37 | 1 | **8T-6466** | 1 | BOLT (M10X1.50X60MM) | |
| | 38 | 1 | **9M-8406** | 3 | CLIP | |
| | 39 | 1 | **9X-7378** | 1 | SEAL-O-RING | |
| | 40 | 1 | **9X-7380** | 3 | SEAL-O-RING | |
| | 41 | 1 | **9X-7381** | 3 | SEAL-O-RING | |
| | 42 | 1 | **9X-7382** | 2 | SEAL-O-RING | |
| | 43 | 1 | **9X-7383** | 2 | SEAL-O-RING | |
| | 44 | 1 | **9X-7385** | 2 | SEAL-O-RING | |
| BD | 45 | 1 | **5P-6129** | | TUBE | |

## *159-3969* **LINES GP-AIR CONDITIONER** *(contd.)*

i01445771

B-USE AS REQUIRED
D-ORDER BY THE METER
I-SEE HOSE FABRICATION GUIDE
M-METRIC PART

*159-3969* **LINES GP-AIR CONDITIONER** ***(contd.)*** **i01445771**




GRAPHIC #1

g00758363

# MEMORANDA

# OPERATOR STATION

## *161-6207* LINES GP-HEATER

S/N: AKA1-UP

PART OF 159-8367 CAB AR

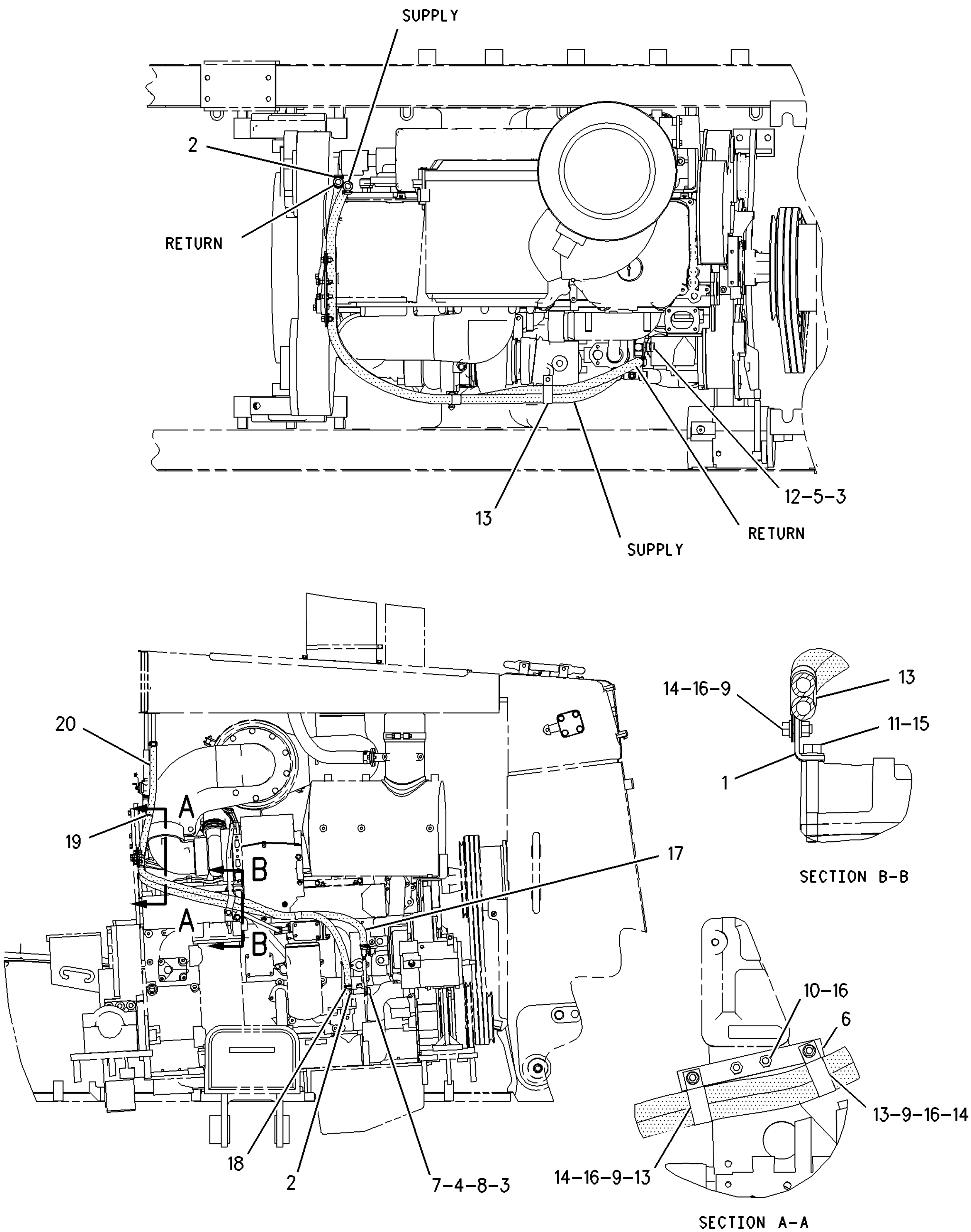
SMCS-7304 i01476696

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3V-1483** | 1 | ANGLE | |
| | 2 | 1 | **5D-1026** | 4 | CLAMP-HOSE | |
| | 3 | 1 | **8F-8151** | 2 | VALVE-SHUTOFF | |
| | 4 | 1 | **8L-6005** | 1 | TEE-PIPE | |
| | 5 | 1 | **003-2143** | 1 | ELBOW | |
| | 6 | 1 | **164-2817** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 7 | 1 | **011-5224** | 1 | BUSHING-TERMINAL | |
| | 8 | 1 | **4B-4845** | 1 | PLUG | |
| | 9 | 1 | **4L-6454** | 3 | BOLT (3/8-16X1 IN) | |
| | 10 | 1 | **4L-9337** | 2 | BOLT (3/8-16X1.5 IN) | |
| | 11 | 1 | **1B-2886** | 1 | BOLT (1/2-13X3.75 IN) | |
| | 12 | 1 | **6B-4661** | 1 | BUSHING-REDUCER | |
| | 13 | 1 | **6D-1641** | 4 | CLIP | |
| | 14 | 1 | **6V-8801** | 3 | NUT (3/8-16 THD) | |
| | 15 | 1 | **8T-4223** | 1 | WASHER-HARD (13.5X25.5X3MM THK) | |
| | 16 | 1 | **8T-4896** | 8 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| E | 17 | 1 | **5P-0767** | | HOSE (169CM) | |
| E | 18 | 1 | **5P-0767** | | HOSE (194CM) | |
| | 19 | 1 | **9X-6772** | 1 | STRAP-CABLE | |
| E | 20 | 1 | **7X-7702** | | CONDUIT-FLEXIBLE (20CM) | |

E-ORDER BY THE CENTIMETER

## *161-6207* **LINES GP-HEATER** *(contd.)*

i01476696




GRAPHIC #1

g00672230

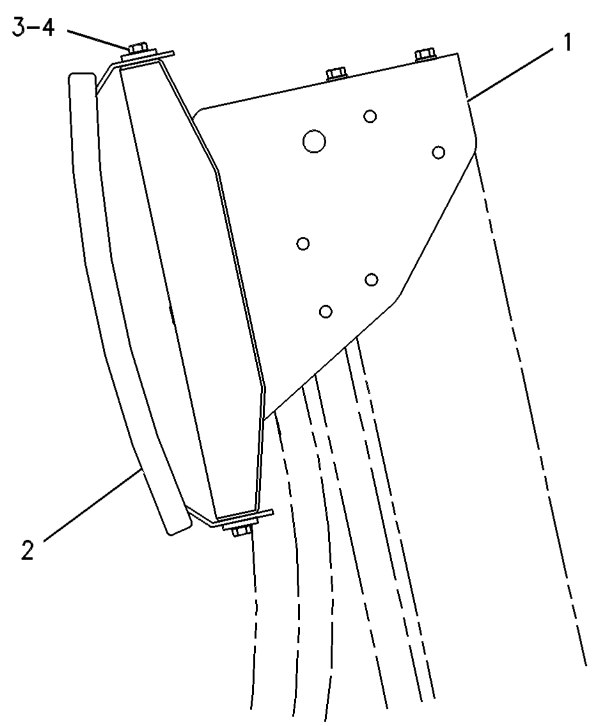
## *133-2259* MIRROR GP

**S/N: AKA1-UP**

**PART OF 158-2960 AIR CONDITIONER AR**

**SMCS-7319** **i01469090**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **133-2253** | 1 | PLATE AS | |
| | | 1 | **1F-0750** | 2 | NUT-WELD (3/8-16 THD) | |
| | 2 | 1 | **6V-9156** | 1 | MIRROR | |
| | 3 | 1 | **7X-0575** | 2 | WASHER-HARD (10.2X22.5X5MM THK) | |
| | 4 | 1 | **4L-6454** | 2 | BOLT (3/8-16X1 IN) | |




GRAPHIC #1 g00273453

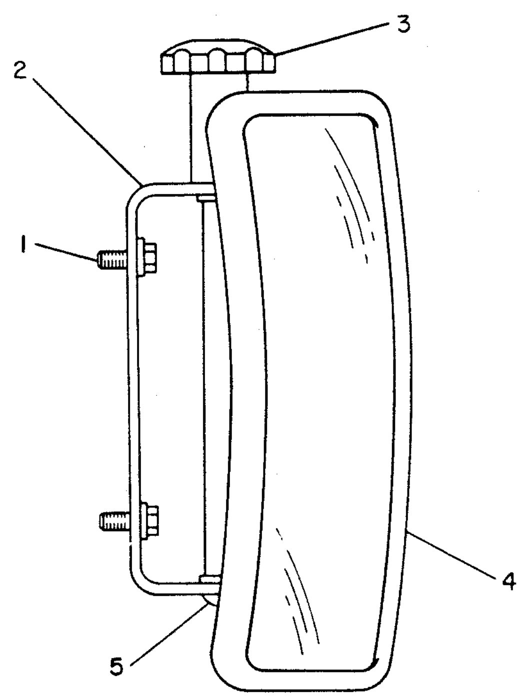
## *9P-9392* MIRROR GP-REAR VIEW

**S/N: AKA1-UP**

**PART OF 167-2088 ROPS GP**

**SMCS-7319** **i00568406**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **5S-7379** | 2 | BOLT (3/8-16X.875IN) | |
| | | 1 | **5P-1075** | 2 | WASHER-HARD (3MM THK) | |
| | 2 | 1 | **9P-9390** | 1 | BRACKET | |
| | 3 | 1 | **9P-9388** | 1 | KNOB | |
| | 4 | 1 | **5P-6874** | 1 | MIRROR | |
| | 5 | 1 | **5K-9179** | 1 | BOLT-ROUND HEAD | |




GRAPHIC #1

g00143265

## *105-9659* MIRROR GP-REAR VIEW

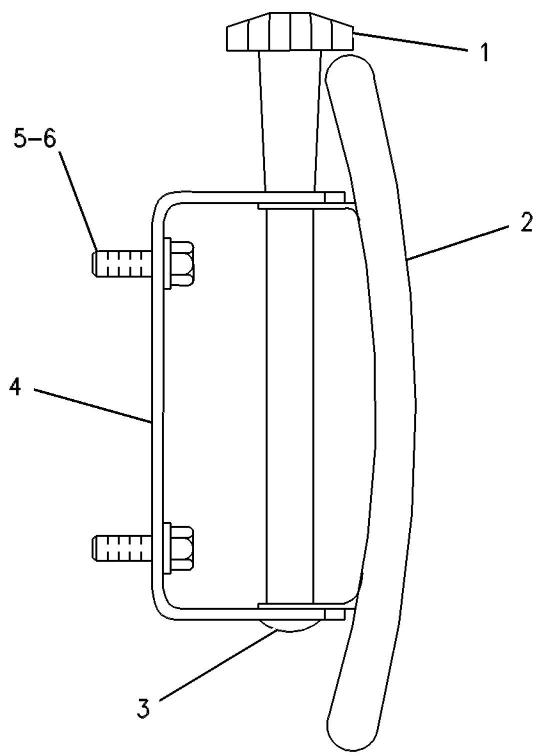
**S/N: AKA1-UP**

**PART OF 158-7694 CAB AR**

**SMCS-7319** **i00599732**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9P-9388** | 1 | KNOB | |
| | 2 | 1 | **5P-6874** | 1 | MIRROR | |
| | 3 | 1 | **5K-9179** | 1 | BOLT-ROUND HEAD | |
| | 4 | 1 | **6Y-5113** | 1 | BRACKET | |
| | 5 | 1 | **8T-4121** | 2 | WASHER (2.5MM THK) | |
| M | 6 | 1 | **8T-4195** | 2 | BOLT (M10X1.50X30MM) | |

M-METRIC PART




GRAPHIC #1

g00254288

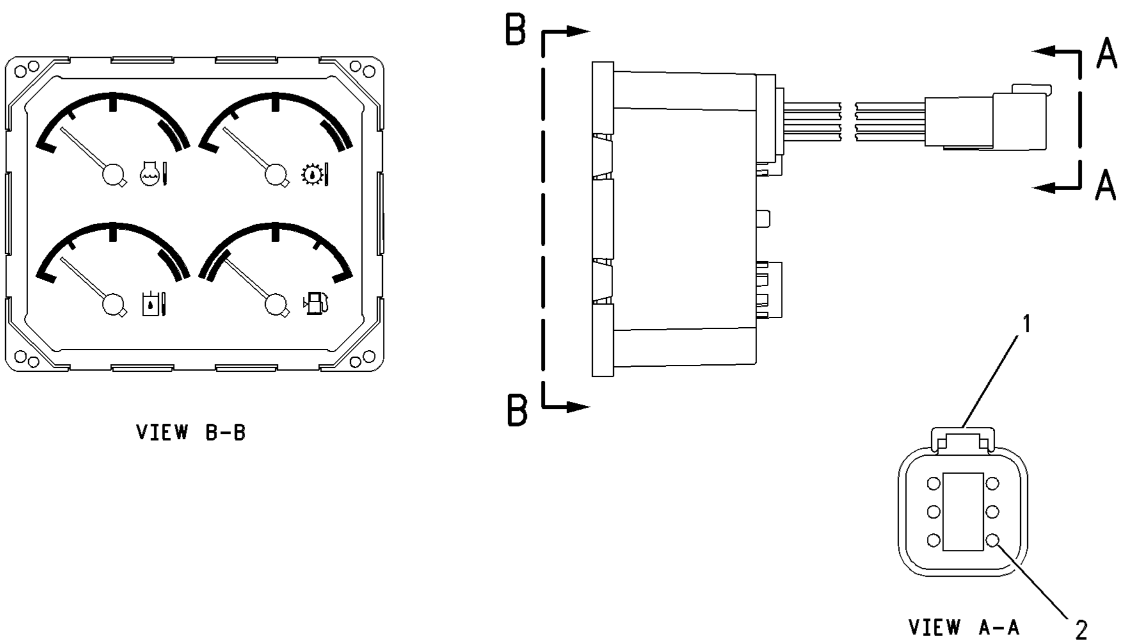
# *166-6928* MODULE GP-QUAD GAUGE

**S/N: AKA1-UP**

**PART OF 156-1667 INSTRUMENT GP, 156-0244 INSTRUMENT GP-CAB**

**SMCS-7450, 7451** **i01502185**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES WEDGE) | |
| | 2 | 1 | **8T-8729** | 6 | PIN-CONNECTOR | |




GRAPHIC #1

g00587276

# 117-1881 MOTOR AS-WINDOW WIPER

S/N: AKA1-UP

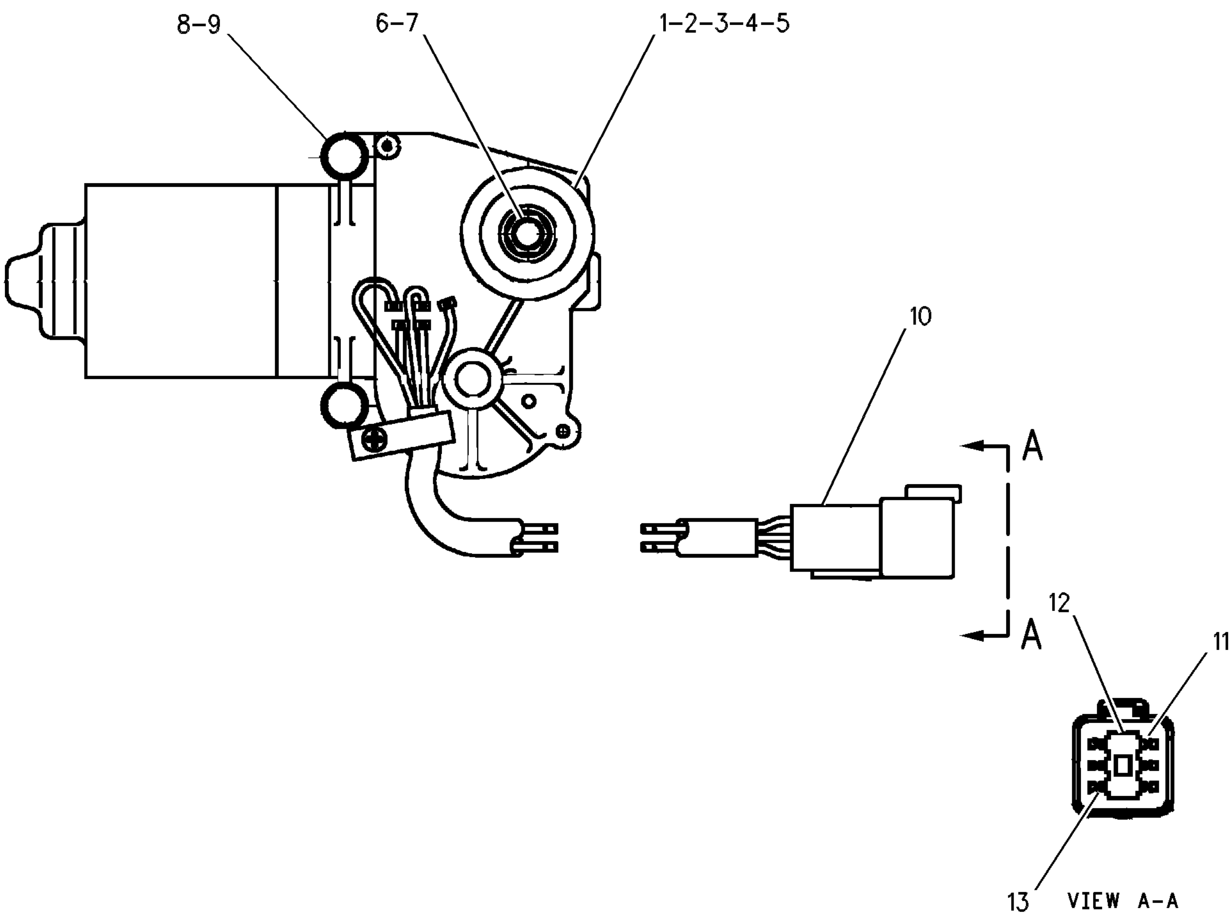
24 VOLT

PART OF 158-7691 WIPER GP-WINDOW

SMCS-7305 i01094906

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-9096** | 1 | CAP | |
| | 2 | 1 | **5C-8814** | 1 | SEAL | |
| | 3 | 1 | **6A-9708** | 1 | NUT | |
| | 4 | 1 | **6A-9709** | 1 | WASHER | |
| | 5 | 1 | **6A-9710** | 1 | WASHER (LEATHER) | |
| M | 6 | 1 | **6V-6889** | 1 | NUT (M8X1.25 THD) | |
| | 7 | 1 | **6A-9718** | 1 | WASHER | |
| M | 8 | 1 | **5C-9553** | 2 | BOLT (M6X1.0X16MM) | |
| | 9 | 1 | **5P-0537** | 2 | WASHER (2MM THK) | |
| | 10 | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 11 | 1 | **8T-8737** | 1 | PLUG-SEAL | |
| | 12 | 1 | **3E-3383** | 1 | WEDGE-RECEPTACLE LOCK | |
| | 13 | 1 | **8T-8729** | 5 | PIN-CONNECTOR | |

M-METRIC PART




GRAPHIC #1 g00535254

# 117-1882 MOTOR AS-WINDOW WIPER

**S/N: AKA1-UP**

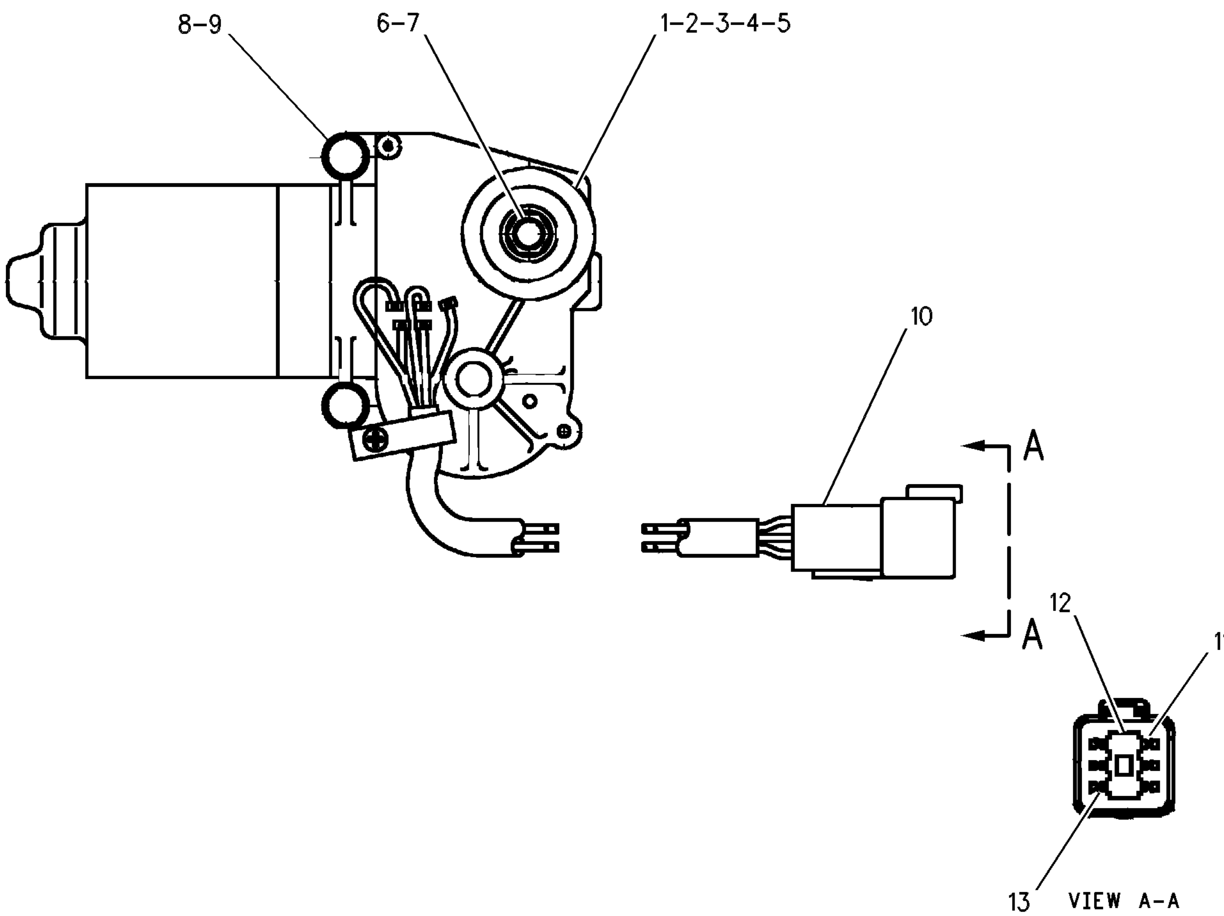
**24 VOLT**

**PART OF 158-7691 WIPER GP-WINDOW**

**SMCS-7305** **i01094908**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **7T-9096** | 1 | CAP | |
| | 2 | 1 | **5C-8814** | 1 | SEAL | |
| | 3 | 1 | **6A-9708** | 1 | NUT | |
| | 4 | 1 | **6A-9709** | 1 | WASHER | |
| | 5 | 1 | **6A-9710** | 1 | WASHER (LEATHER) | |
| M | 6 | 1 | **6V-6889** | 1 | NUT (M8X1.25 THD) | |
| | 7 | 1 | **6A-9718** | 1 | WASHER | |
| M | 8 | 1 | **5C-9553** | 2 | BOLT (M6X1.0X16MM) | |
| | 9 | 1 | **5P-0537** | 2 | WASHER (2MM THK) | |
| | 10 | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 11 | 1 | **8T-8737** | 1 | PLUG-SEAL | |
| | 12 | 1 | **3E-3383** | 1 | WEDGE-RECEPTACLE LOCK | |
| | 13 | 1 | **8T-8729** | 5 | PIN-CONNECTOR | |

M-METRIC PART




GRAPHIC #1

g00535299

## 147-7976 MOTOR GP-WINDOW WIPER

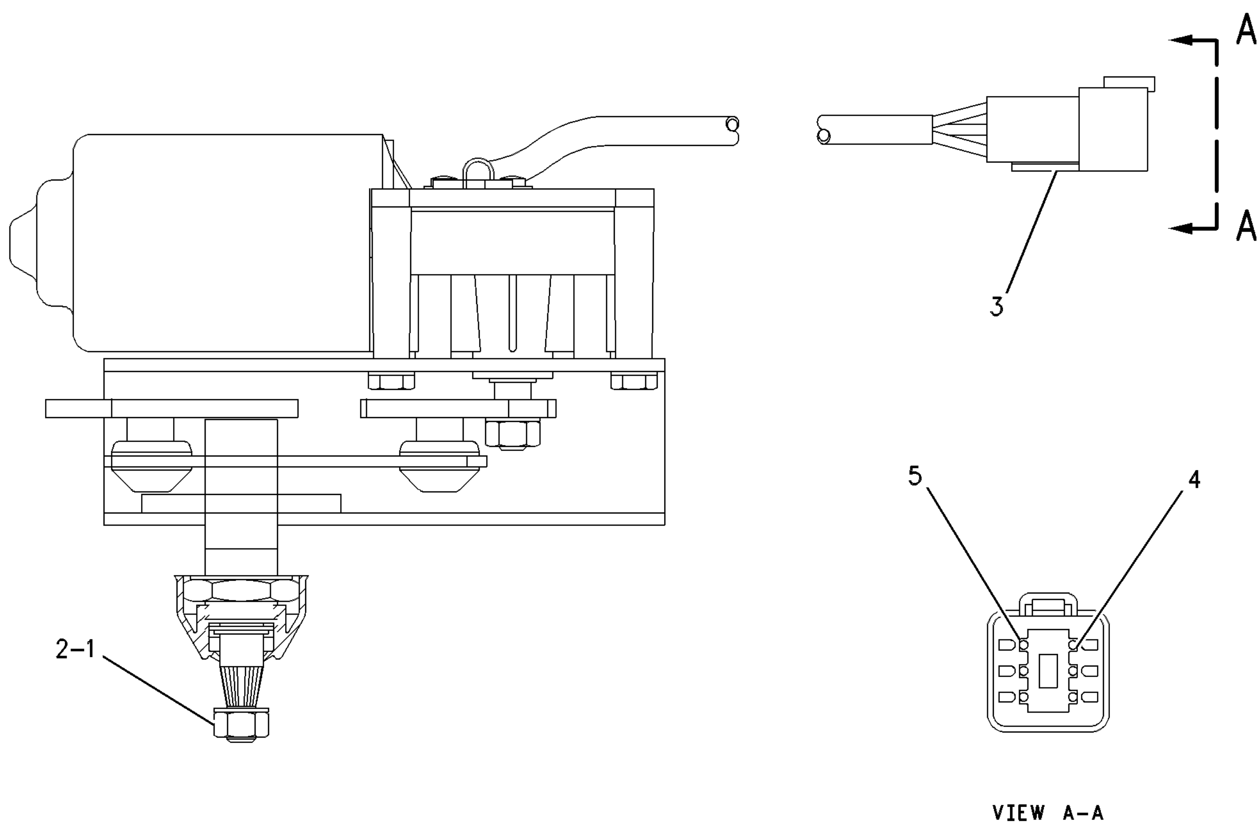
**S/N: AKA1-UP**

**PART OF 158-7691 WIPER GP-WINDOW**

**SMCS-7305** **i00862395**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| M | 1 | 1 | **5C-7261** | 1 | NUT (M8X1.25 THD) | |
| | 2 | 1 | **3F-9556** | 1 | LOCKWASHER (8.4MM ID) | |
| | 3 | 1 | **102-8805** | 1 | KIT-RECEPTACLE | |
| | | | | | (INCLUDES RECEPTACLE AND WEDGE) | |
| | 4 | 1 | **9G-3695** | 1 | PLUG-SEAL | |
| | 5 | 1 | **8T-8729** | 5 | PIN-CONNECTOR | |

M-METRIC PART




GRAPHIC #1

g00464037

# 147-7979 MOTOR GP-WINDOW WIPER

**S/N: AKA1-UP**

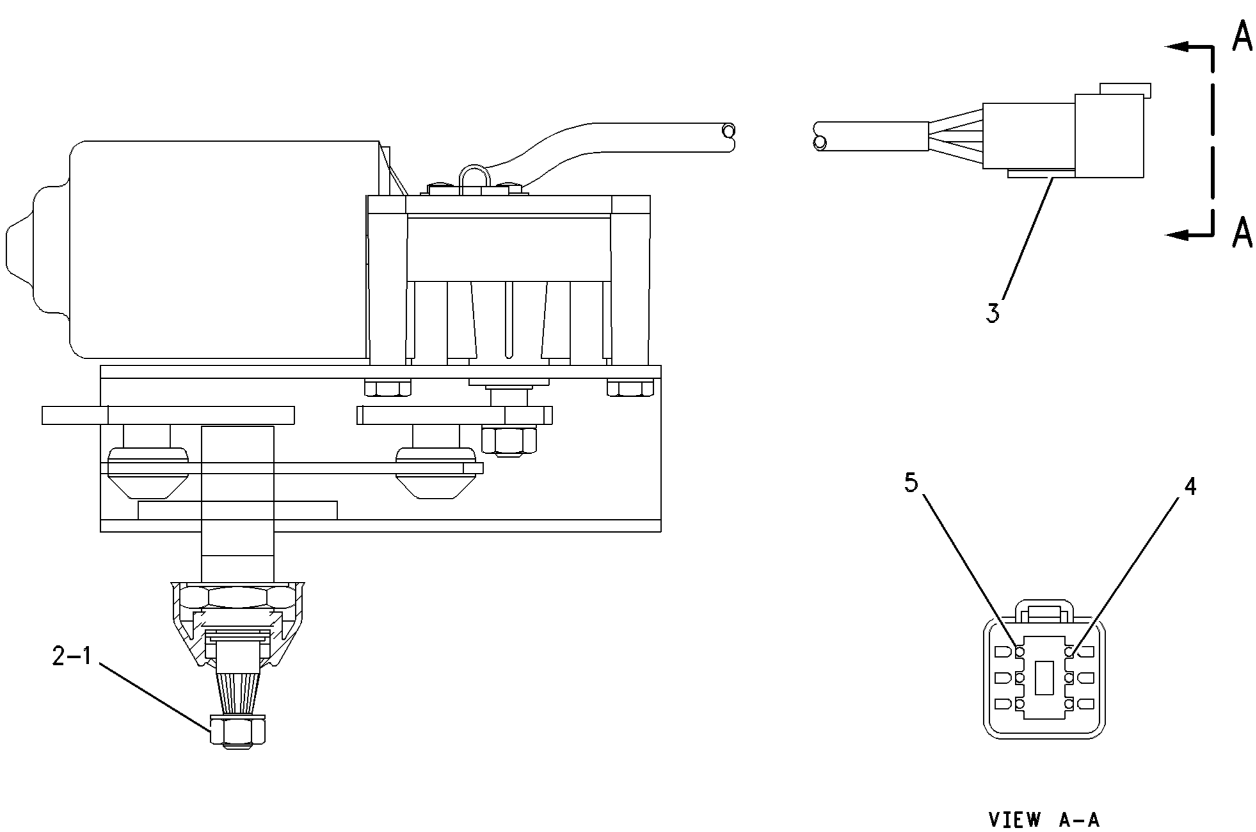
**24 VOLT**

**PART OF 158-7691 WIPER GP-WINDOW**

**SMCS-7305** **i01082860**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| M | 1 | 1 | **5C-7261** | 1 | NUT (M8X1.25 THD) | |
| | 2 | 1 | **3F-9556** | 1 | LOCKWASHER (8.4MM ID) | |
| | 3 | 1 | **102-8805** | 1 | KIT-RECEPTACLE (6 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 4 | 1 | **9G-3695** | 1 | PLUG-SEAL | |
| | 5 | 1 | **8T-8729** | 5 | PIN-CONNECTOR | |

M-METRIC PART




GRAPHIC #1 g00464037

# *169-9637* MOUNTING GP-CAB

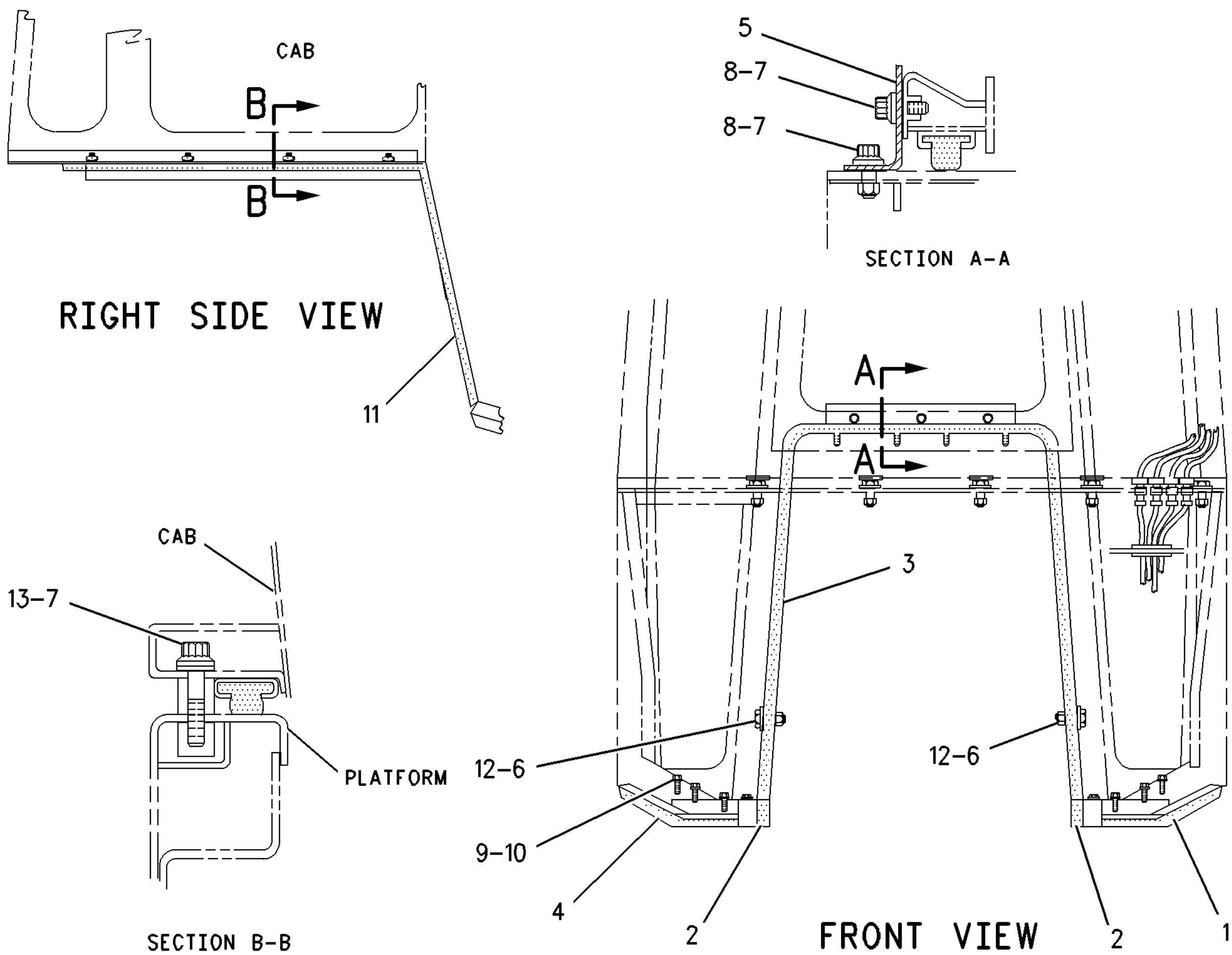
S/N: AKA1-UP

PART OF 159-8367 CAB AR

SMCS-7266, 7301 i01488740

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **9G-0986** | 1 | SEAL | |
| | 2 | 1 | **9G-0983** | 2 | SEAL | |
| BD | 3 | 1 | **5P-7514** | | SEAL | |
| | 4 | 1 | **9G-0990** | 1 | SEAL | |
| | 5 | 1 | **113-6033** | 1 | ANGLE | |
| | 6 | 1 | **189-5359** | 2 | WASHER-HARD (10.5X28.5X5MM THK) | |
| | 7 | 1 | **7X-3392** | 31 | WASHER-HARD (13.5X22.5X3MM THK) | |
| | 8 | 1 | **171-2438** | 7 | BOLT-12 POINT HEAD (M12X1.75X30MM) | |
| M | 9 | 1 | **8T-4136** | 8 | BOLT (M10X1.5X25MM) | |
| | 10 | 1 | **7X-7729** | 8 | WASHER (11X25X3MM THK) | |
| BD | 11 | 1 | **5P-7513** | | SEAL | |
| M | 12 | 1 | **189-5358** | 2 | BOLT-HEX HEAD (M10X1.5X60MM) | |
| M | 13 | 1 | **9X-8272** | 12 | BOLT (M12X1.75X60MM) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
M-METRIC PART




GRAPHIC #1 g00722402

# *157-7328* MOUNTING GP-CONTROL

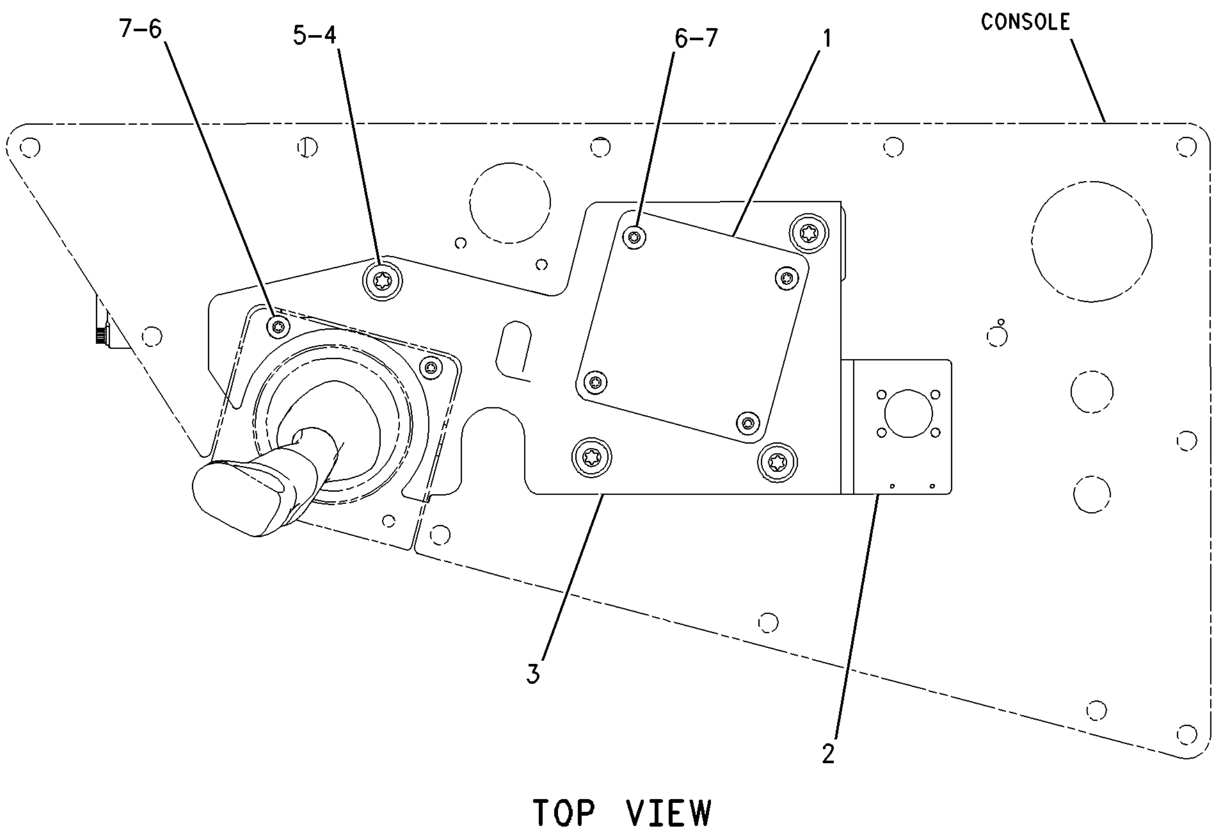
**S/N: AKA1-UP**

**PART OF 157-0824 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5063** **i01389898**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **160-4702** | 1 | PLATE | |
| | 2 | 1 | **160-4703** | 1 | PLATE AS | |
| | 3 | 1 | **165-8433** | 1 | GASKET | |
| M | 4 | 1 | **172-5291** | 4 | SCREW | |
| | 5 | 1 | **7X-7729** | 4 | WASHER (11X25X3MM THK) | |
| | 6 | 1 | **8T-4205** | 6 | WASHER-HARD (7.2X14.5X2MM THK) | |
| M | 7 | 1 | **9X-2045** | 6 | SCREW-TRUSS HEAD (M6X1X20MM) | |

M-METRIC PART




GRAPHIC #1

g00732695

# OPERATOR STATION

## *163-3436* MOUNTING GP-CONTROL

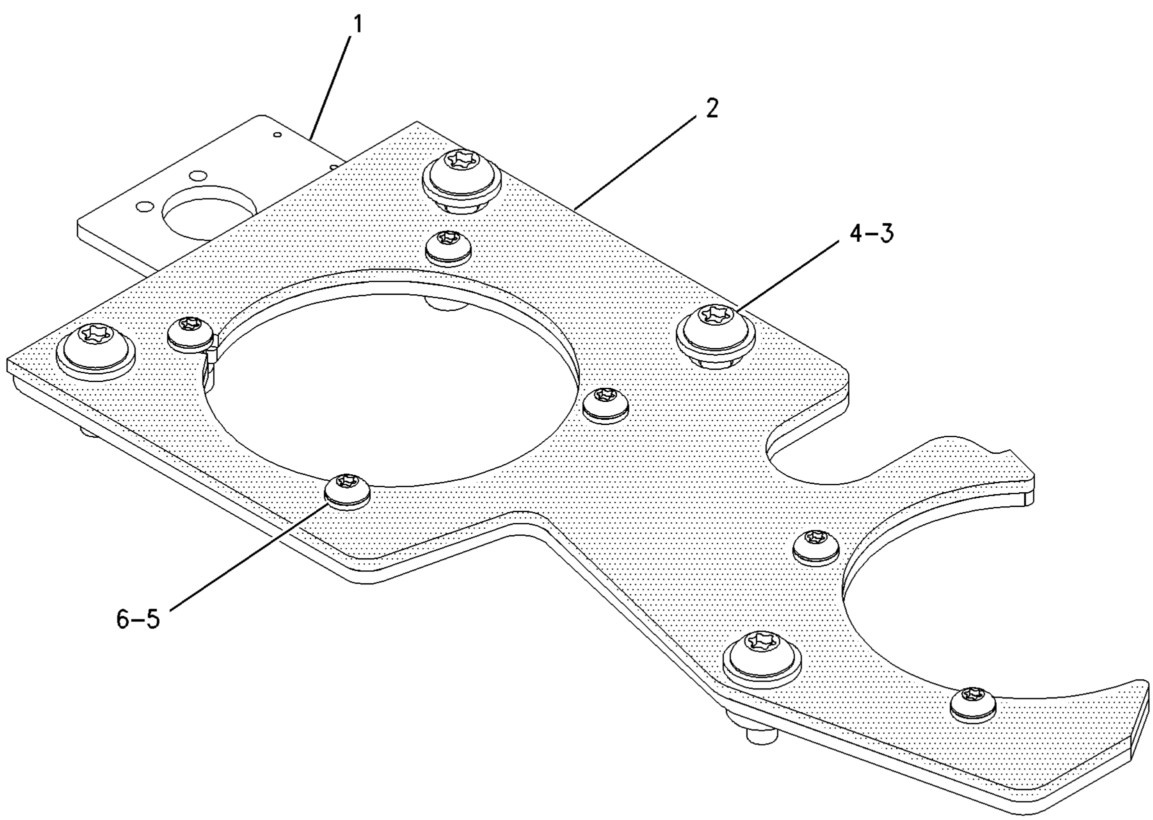
**S/N: AKA1-UP**

**PART OF 157-7331, 160-5560 CONTROL AR-PILOT HYDRAULIC**

**SMCS-5063** **i01392327**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **160-4703** | 1 | PLATE AS | |
| | 2 | 1 | **165-8433** | 1 | GASKET | |
| M | 3 | 1 | **172-5291** | 4 | SCREW | |
| | 4 | 1 | **7X-7729** | 4 | WASHER (11X25X3MM THK) | |
| | 5 | 1 | **8T-4205** | 6 | WASHER-HARD (7.2X14.5X2MM THK) | |
| M | 6 | 1 | **9X-2045** | 6 | SCREW-TRUSS HEAD (M6X1X20MM) | |

M-METRIC PART




GRAPHIC #1 g00695281

# MEMORANDA

# OPERATOR STATION

## *192-4093* OPERATOR AR

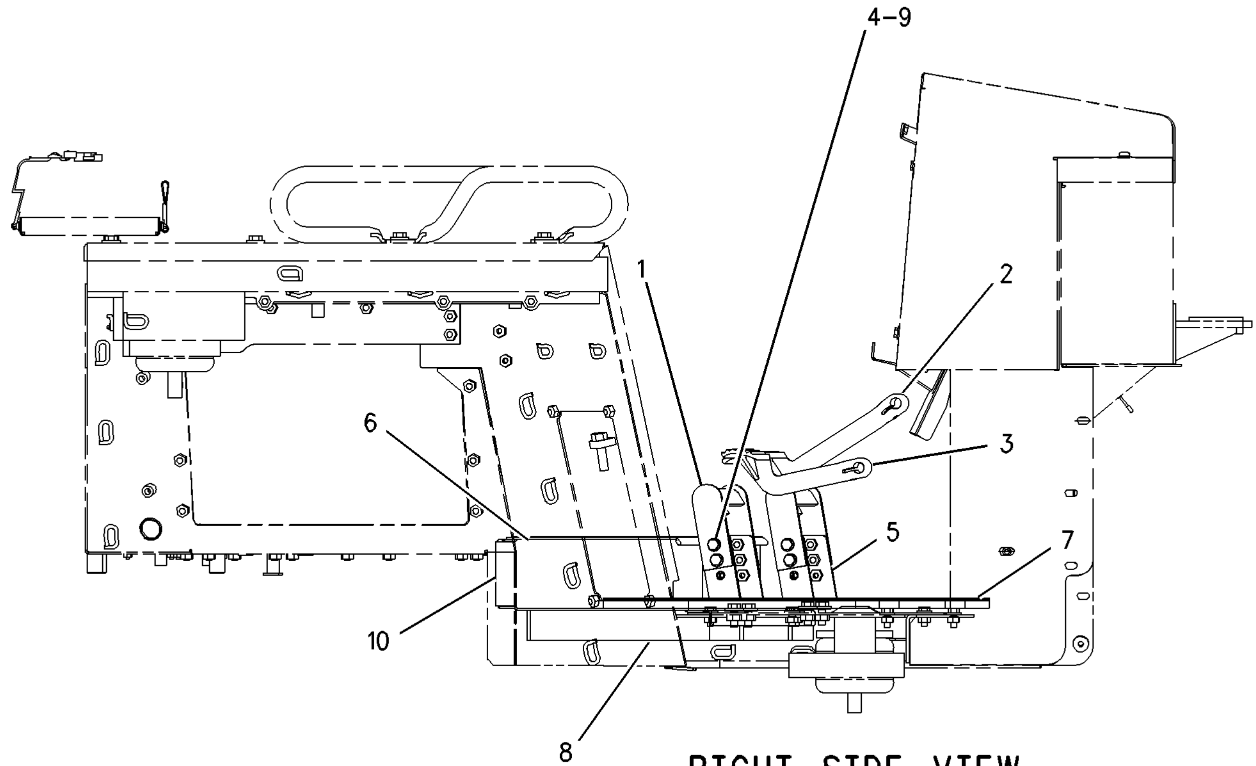
S/N: AKA1-UP

SMCS-7225, 7301, 7335 i01489100

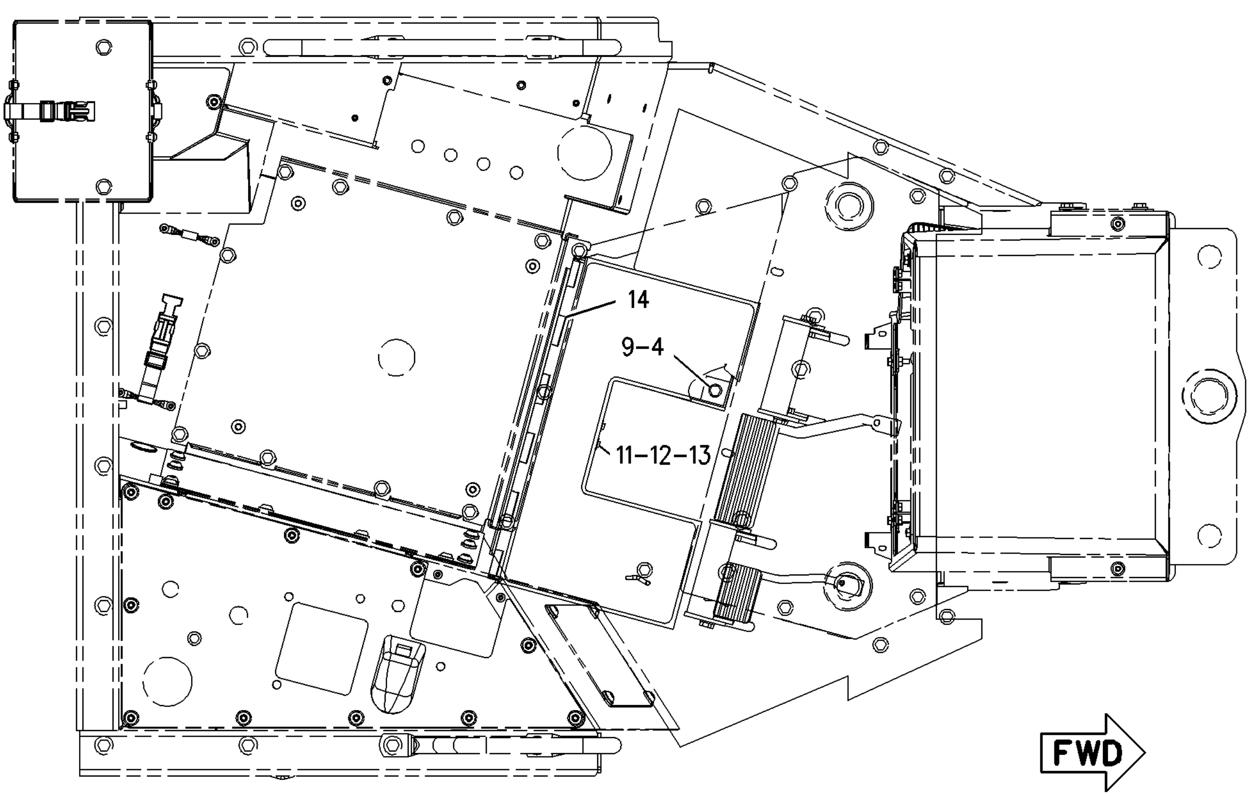
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1Q-3783** | 2 | PLATE AS | |
| | 2 | 1 | **110-8379** | 1 | PEDAL | |
| | 3 | 1 | **110-8380** | 1 | PEDAL | |
| M | 4 | 1 | **8T-4136** | 12 | BOLT (M10X1.5X25MM) | |
| | 5 | 1 | **195-4454** | 2 | PLATE AS | |
| M | | 1 | **8T-3490** | 6 | NUT-WELD (M10X1.5 THD) | |
| | 6 | 1 | **195-4455** | 1 | TREAD | |
| | 7 | 1 | **196-3598** | 1 | FLOOR MAT | |
| | 8 | 1 | **196-3600** | 1 | FLOORPLATE AS | |
| M | | 1 | **8T-3490** | 6 | NUT-WELD (M10X1.5 THD) | |
| | 9 | 1 | **8T-4121** | 12 | WASHER-HARD (11X21X2.5MM THK) | |
| | 10 | 1 | **195-4450** | 1 | BOX AS | |
| | | 1 | **2V-5019** | 1 | SPRING | |
| | | 1 | **3W-1547** | 1 | STRIKER AS | |
| M | 11 | 1 | **8T-3490** | 2 | NUT-WELD (M10X1.5 THD) | |
| | 12 | 1 | **8T-4121** | 2 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 13 | 1 | **8T-4137** | 2 | BOLT (M10X1.5X20MM) | |
| | 14 | 1 | **121-4057** | 1 | HINGE | |

M-METRIC PART

*192-4093* **OPERATOR AR** ***(contd.)*** **i01489100**




RIGHT SIDE VIEW




TOP VIEW

GRAPHIC #1

g00739703

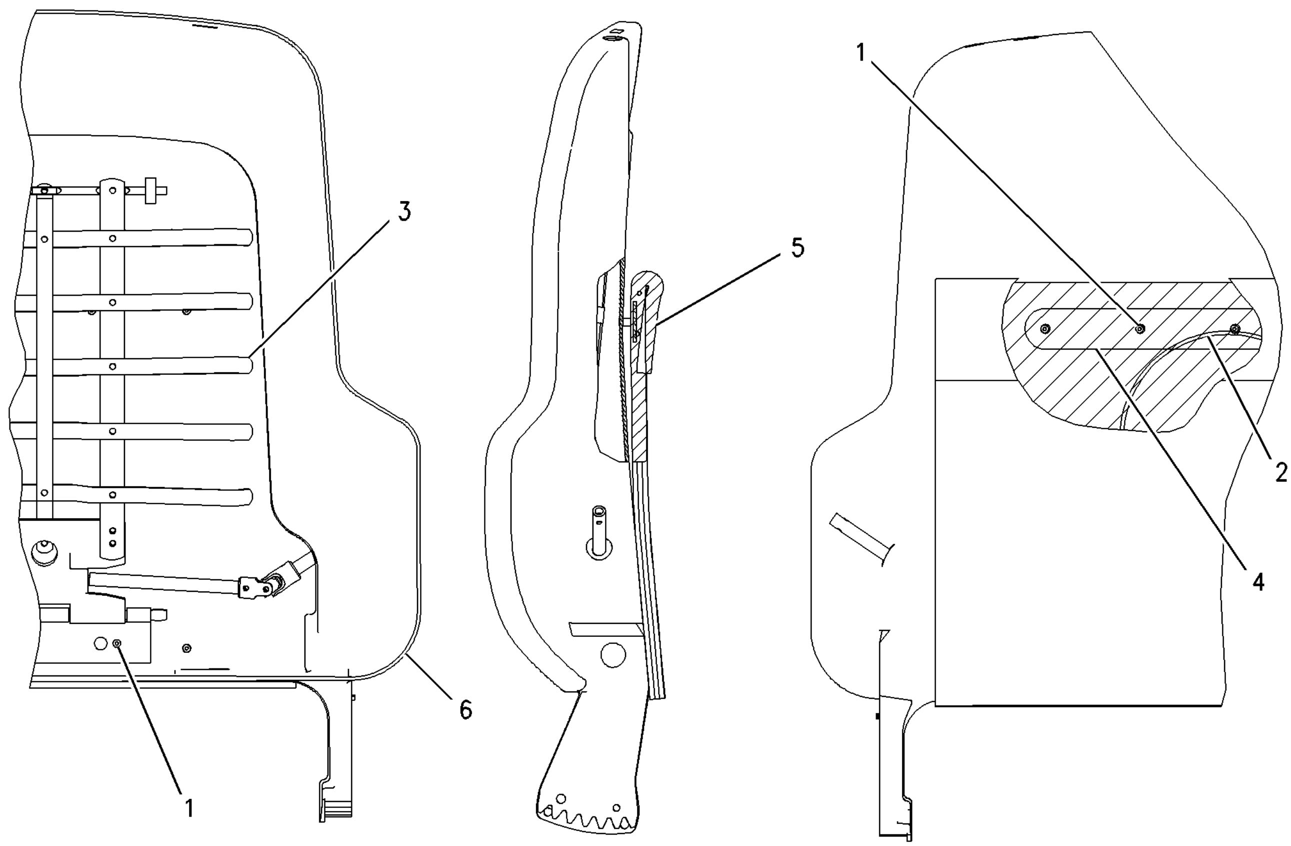
## *178-0605* PAN GP-BACKREST

**S/N: AKA1-UP**

**PART OF 178-0604, 180-7305 PAN GP-SEAT**

**SMCS-7312** **i01437598**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4K-9429** | 8 | RIVET-POP | |
| | 2 | 1 | **5P-7957** | 1 | LANYARD | |
| | 3 | 1 | **136-1543** | 1 | PLATE AS-LUMBAR | |
| | 4 | 1 | **173-2052** | 1 | RETAINER | |
| | 5 | 1 | **178-7907** | 1 | HOLDER | |
| | 6 | 1 | **177-4930** | 1 | PAN AS-BACK | |




GRAPHIC #1 g00716497

# *178-0604* PAN GP-SEAT–CLOTH

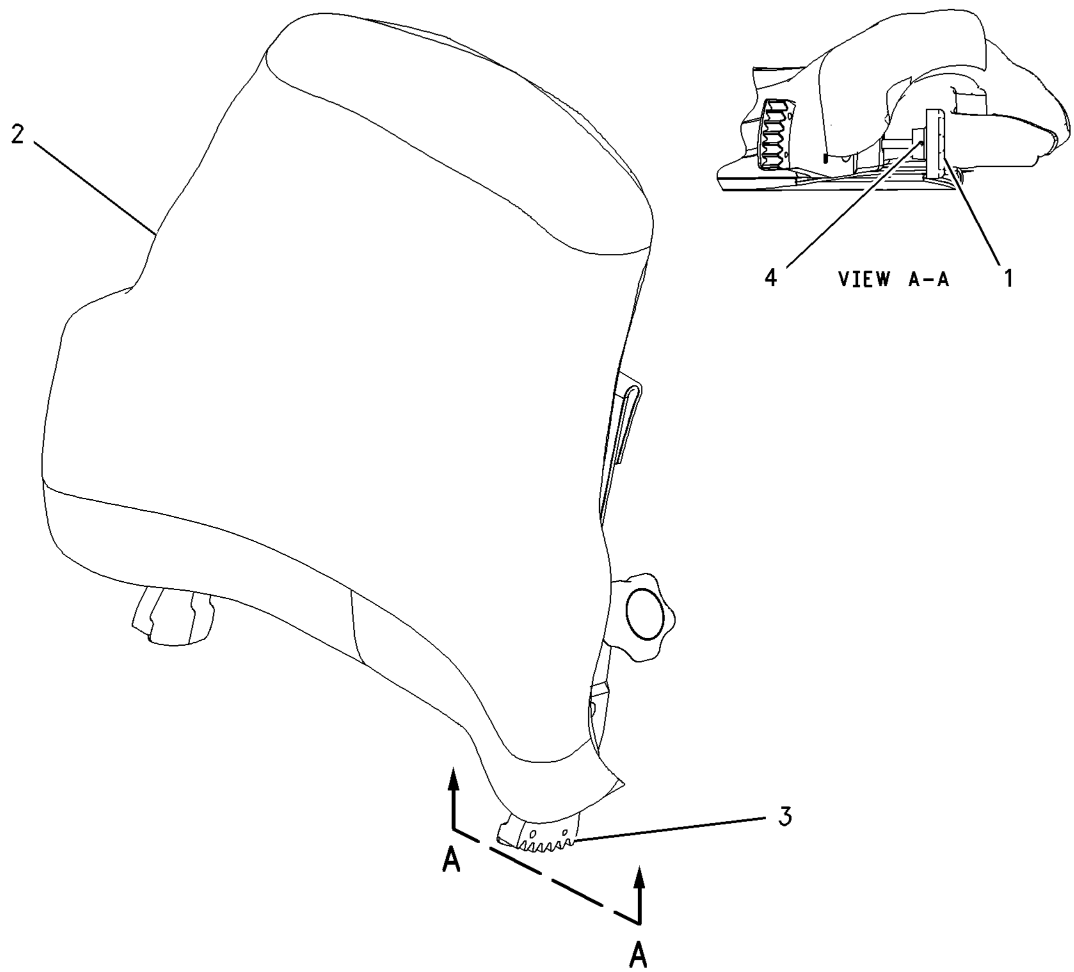
**S/N: AKA1-UP**

**PART OF 178-0603 SEAT GP**

**SMCS-7312** **i01448095**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **164-4883** | 1 | KNOB-LUMBAR | |
| | 2 | 1 | **169-0651** | 1 | CUSHION AS | |
| Y | 3 | 1 | *178-0605* | 1 | PAN GP-BACKREST | 810 |
| | 4 | 1 | **8T-7566** | 1 | PIN-SPRING | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00727710

## *180-7305* PAN GP-SEAT

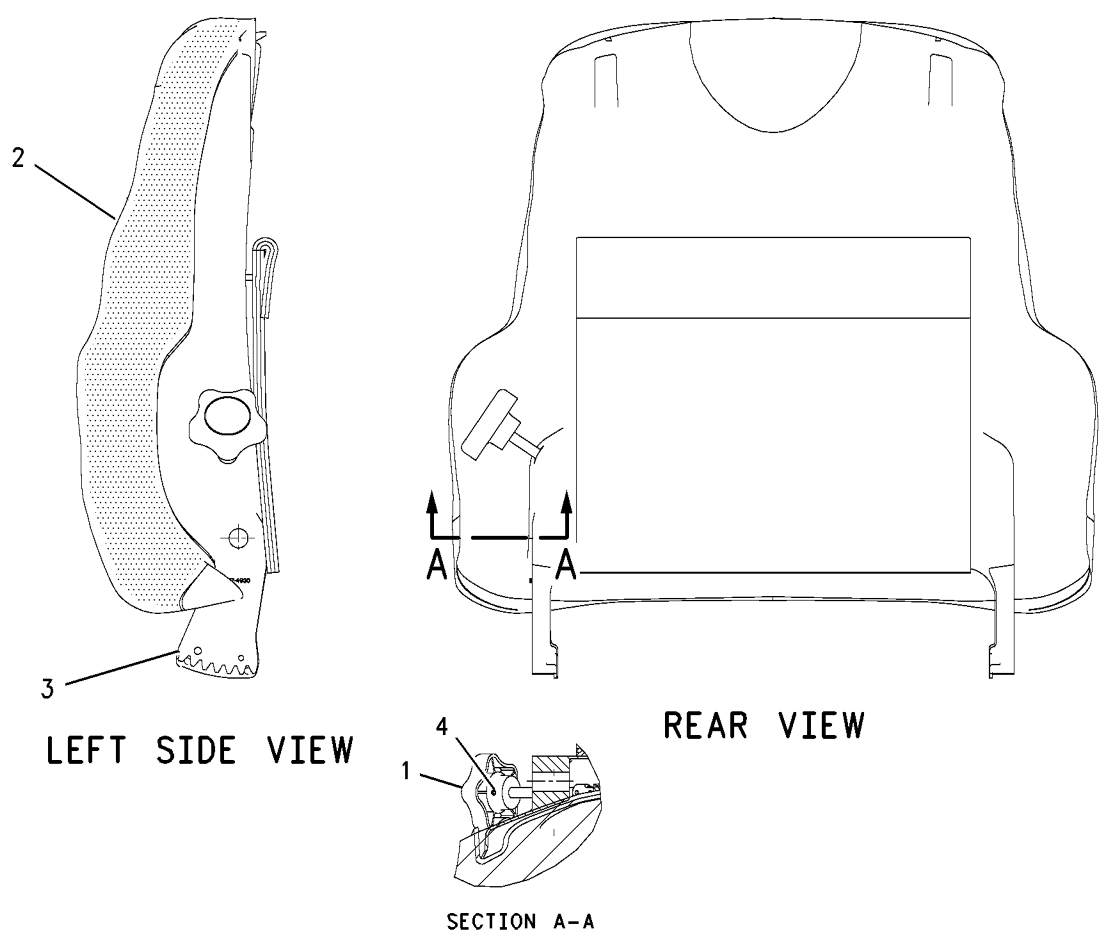
**S/N: AKA1-UP**

**PART OF 180-7304 SEAT GP**

**SMCS-7312** **i01437595**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **164-4883** | 1 | KNOB-LUMBAR | |
| | 2 | 1 | **169-0697** | 1 | CUSHION AS | |
| | | 1 | **184-2300** | 1 | FILM | |
| Y | 3 | 1 | *178-0605* | 1 | PAN GP-BACKREST | 810 |
| | 4 | 1 | **8T-7566** | 1 | PIN-SPRING | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00678939

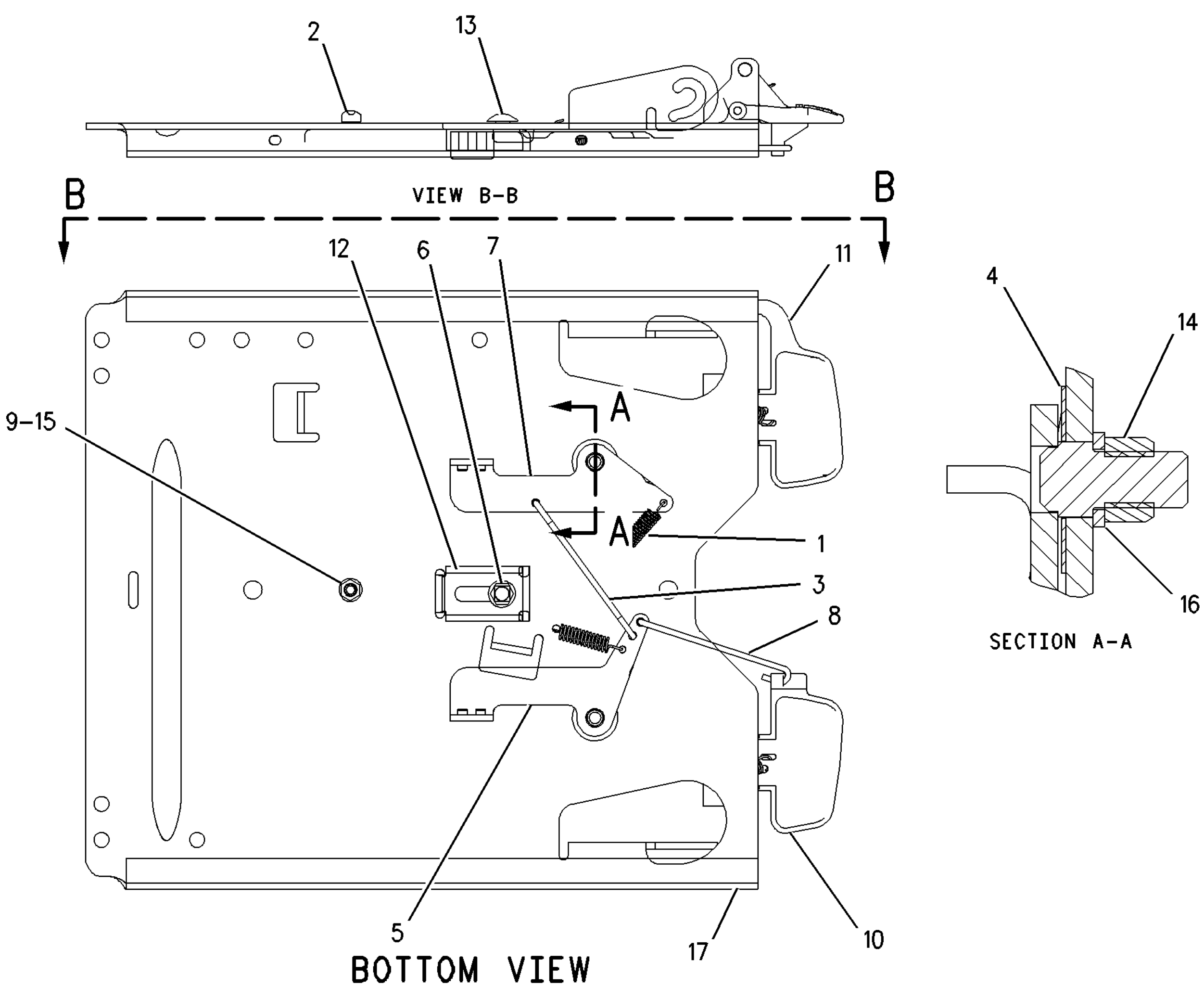
## *173-1028* PLATE GP-SLIDE

**S/N: AKA1-UP**

**PART OF 178-0603, 180-7304 SEAT GP**

**SMCS-7321** **i01437574**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **4V-8256** | 4 | SPRING | |
| | 2 | 1 | **117-4486** | 1 | ANCHOR | |
| | 3 | 1 | **117-4492** | 1 | ROD | |
| | 4 | 1 | **132-0338** | 2 | WASHER-PLASTIC | |
| | 5 | 1 | **136-1544** | 1 | LATCH AS-LH | |
| | 6 | 1 | **143-1288** | 1 | LOCKNUT-FLANGE | |
| | 7 | 1 | **156-5545** | 1 | LATCH AS-RH | |
| | 8 | 1 | **164-4531** | 1 | ROD | |
| | 9 | 1 | **9M-1974** | 1 | WASHER-HARD (8.8X16X2MM THK) | |
| | 10 | 1 | **170-1114** | 1 | HANDLE (SLIDE ADJUSTMENT) | |
| | 11 | 1 | **170-1115** | 1 | HANDLE (TILT ADJUSTMENT) | |
| | 12 | 1 | **172-4001** | 1 | BRACKET | |
| | 13 | 1 | **1D-4675** | 1 | BOLT-CARRIAGE (3/8-16X.75 IN) | |
| | 14 | 1 | **2K-4973** | 2 | LOCKNUT (3/8-16 THD) | |
| | 15 | 1 | **7L-8170** | 1 | NUT-FULL (5/16-18 THD) | |
| | 16 | 1 | **7X-0608** | 2 | WASHER-HARD (10.2X16X2.0MM THK) | |
| | 17 | 1 | **170-1112** | 1 | PLATE AS | |




GRAPHIC #1 g00686297

## *156-4755* PLATFORM GP-CAB

S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

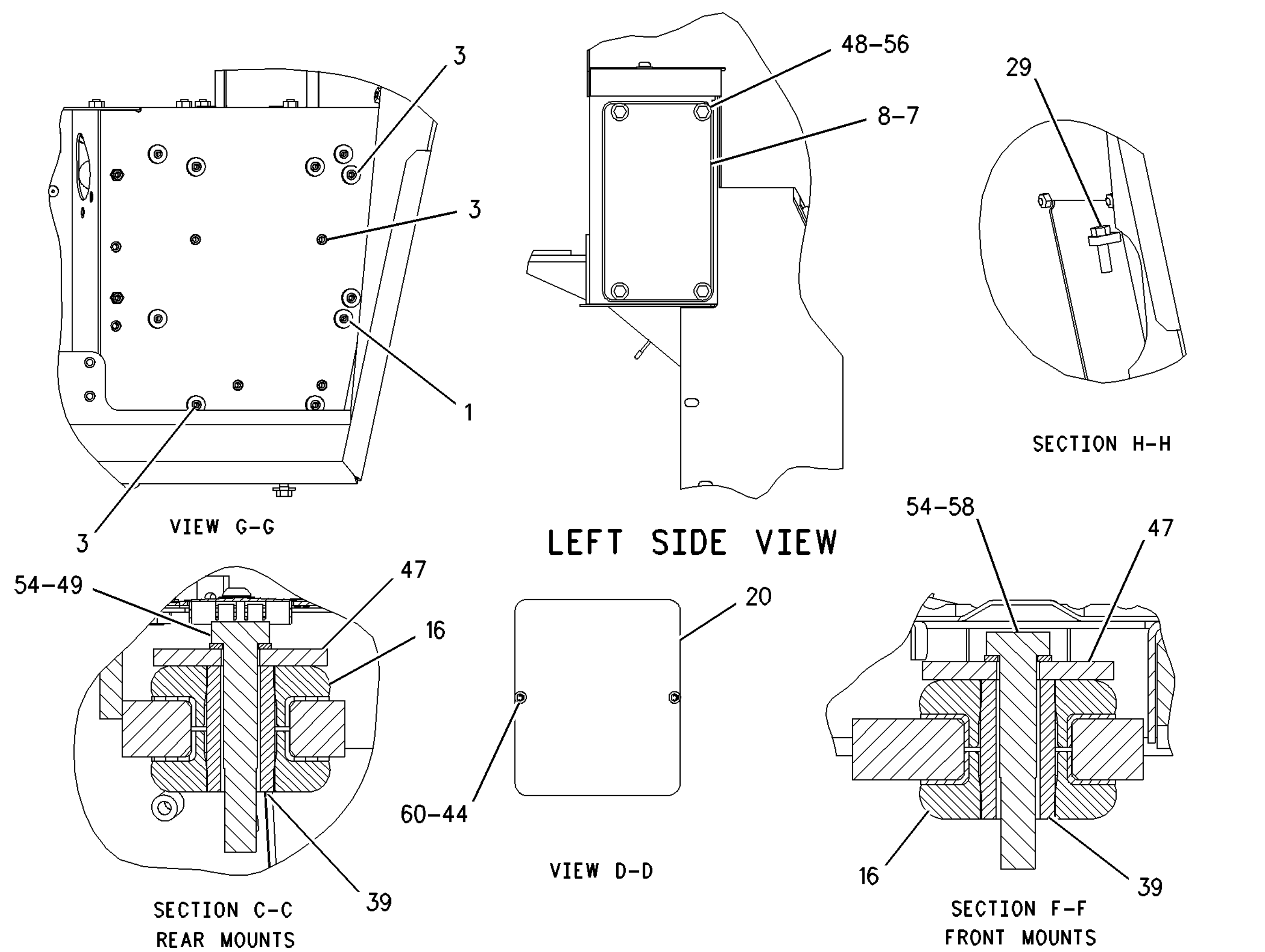
SMCS-7253 i01497223

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| B | 1 | 1 | **1J-0245** | 4 | PLUG-PROTECTION | |
| | 2 | 2 | **3T-3634** | 1 | HANDHOLD | |
| B | 3 | 1,2 | **4H-0408** | 15 | PLUG-PROTECTION | |
| | 4 | 2 | **9X-8256** | 4 | WASHER (6.6X12X2MM THK) | |
| | 5 | 2 | **5P-7509** | 1 | PLUG-BUTTON | |
| | 6 | 2 | **6I-9706** | 1 | RETAINER AS | |
| M | | 2 | **6V-9632** | 4 | NUT-WELD (M6X1 THD) | |
| | 7 | 1 | **6T-4556** | 1 | COVER | |
| | 8 | 1 | **6T-4557** | 1 | GASKET | |
| | 9 | 2 | **6V-8547** | 1 | PLUG-BUTTON | |
| | 10 | 2 | **6Y-0206** | 4 | RETAINER | |
| | 11 | 2 | **6Y-8114** | 2 | SPACER (12.7MM THK) | |
| | 12 | 2 | **7G-4824** | 2 | STRAP | |
| | 13 | 2 | **8C-5226** | 1 | PLUG-SEAL | |
| | 14 | 2 | **8E-7791** | 2 | STRAP | |
| | 15 | 2 | **8T-4943** | 1 | PLUG | |
| | 16 | 1 | **117-8131** | 8 | MOUNT | |
| | 17 | 2 | **117-9966** | 1 | PLUG | |
| M | 18 | 2 | **124-8100** | 24 | SCREW-TRUSS HEAD (M10X1.5X20MM) | |
| | 19 | 2 | **127-3018** | 1 | HANDHOLD | |
| | 20 | 1 | **141-2240** | 1 | PLATE | |
| Y | 21 | 2 | **156-4756** | 1 | PLATFORM GP | 454 |
| | 22 | 2 | **157-1457** | 1 | PLATE | |
| | 23 | 2 | **160-0082** | 1 | PLATE AS | |
| | | 2 | **1F-0750** | 1 | NUT-WELD (3/8-16 THD) | |
| | 24 | 2 | **161-3610** | 1 | HOUSING | |
| | 25 | 2 | **161-3958** | 1 | GASKET | |
| | 26 | 2 | **161-3959** | 1 | PLATE AS | |
| | 27 | 2 | **161-3967** | 1 | PLATE AS | |
| | 28 | 2 | **163-3281** | 1 | BRACKET AS | |
| | | 2 | **7G-4550** | 1 | GROMMET | |
| | 29 | 1 | **164-0758** | 1 | BOLT-HEX HEAD (9/16-18X2 IN) | |
| | 30 | 2 | **164-4365** | 1 | GASKET | |
| | 31 | 2 | **165-6857** | 1 | PAD AS-RUBBER | |
| | 32 | 2 | **170-0251** | 2 | STRIP | |
| | 33 | 2 | **170-0255** | 1 | COVER AS | |
| M | 34 | 2 | **172-5291** | 4 | SCREW (M10X1.5X30MM) | |
| | 35 | 2 | **184-3286** | 1 | FLOORPLATE AS | |
| M | | 2 | **8T-3490** | 2 | NUT-WELD (M10X1.5 THD) | |
| | 36 | 2 | **184-3288** | 1 | FLOORPLATE AS | |
| M | | 2 | **8T-3597** | 4 | NUT-WELD (M12X1.75 THD) | |
| | 37 | 2 | **184-3291** | 1 | FLOOR MAT | |
| | 38 | 2 | **185-2076** | 2 | SUPPORT AS | |
| | 39 | 1 | **185-3666** | 4 | SLEEVE | |
| Y | 40 | 2 | **192-3016** | 1 | COVER GP | 393 |
| | 41 | 2 | **192-3025** | 1 | PLATE | |
| | 42 | 2 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 43 | 2 | **5P-1076** | 14 | WASHER-HARD (13.5X30X4MM THK) | |
| | 44 | 1 | **5P-4115** | 2 | WASHER-HARD (7.2X19X2MM THK) | |
| | 45 | 2 | **5P-4116** | 4 | WASHER-HARD (8.8X20.5X2MM THK) | |
| | 46 | 2 | **6J-0488** | 2 | SCREW-BUTTON HEAD (3/8-16X0.875 IN) | |
| | 47 | 1 | **6T-8714** | 4 | WASHER-HARD (28X125X12MM THK) | |
| | 48 | 1,2 | **7X-7729** | 66 | WASHER (11X25X3MM THK) | |
| M | 49 | 1 | **8C-3290** | 2 | BOLT (M24X3X150MM) | |
| M | 50 | 2 | **8T-4136** | 34 | BOLT (M10X1.5X25MM) | |
| M | 51 | 2 | **9X-2046** | 2 | SCREW-TRUSS HEAD (M6X1X35MM) | |

## *156-4755* **PLATFORM GP-CAB** *(contd.)* **i01497223**

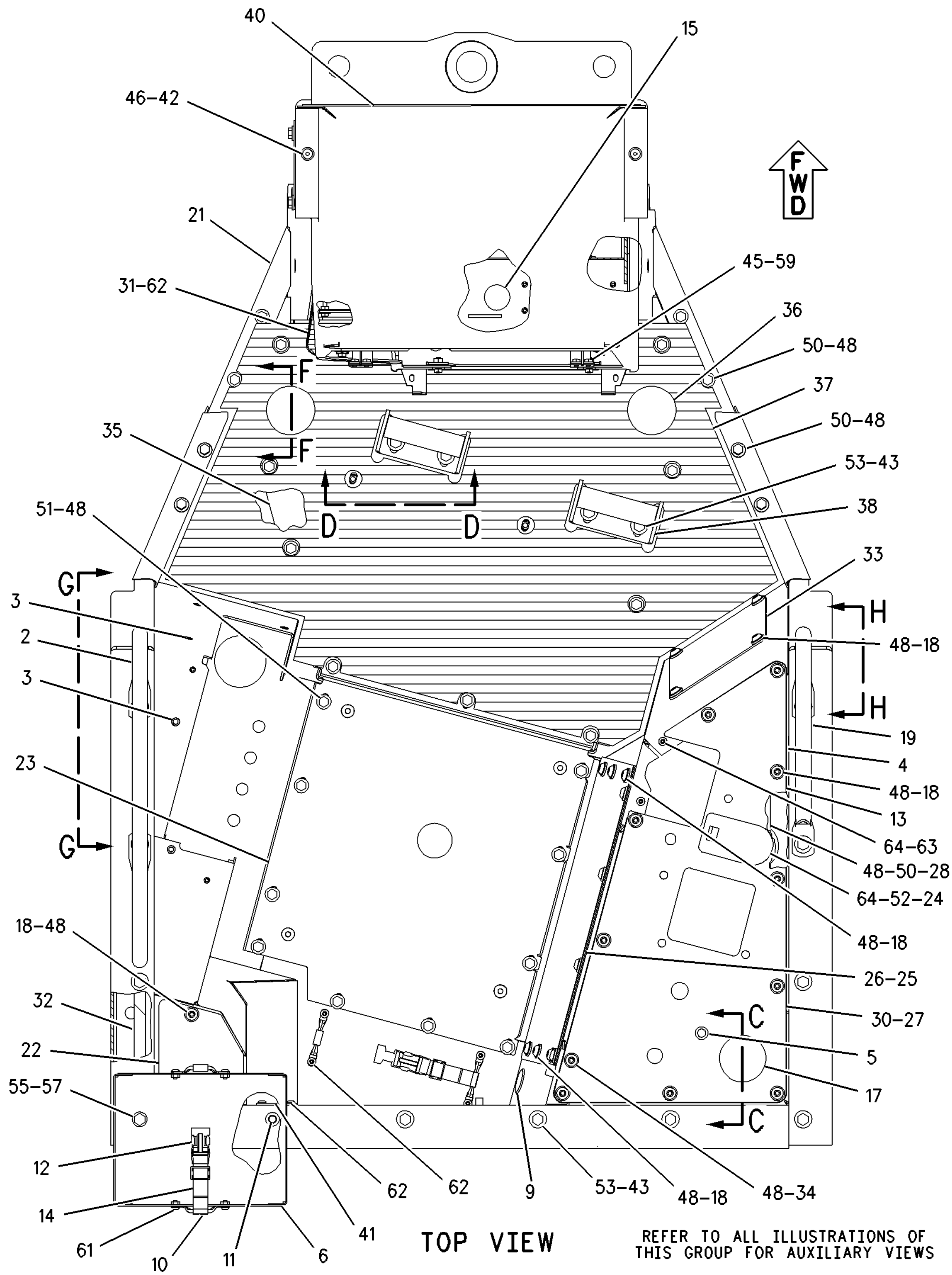
| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| M | 52 | 2 | **8T-4138** | 2 | BOLT (M6X1X20MM) | |
| M | 53 | 2 | **8T-4139** | 14 | BOLT (M12X1.75X30MM) | |
| | 54 | 1 | **8T-4167** | 4 | WASHER-HARD (26X44X4MM THK) | |
| M | 55 | 2 | **8T-4194** | 2 | BOLT (M12X1.75X50MM) | |
| M | 56 | 1 | **8T-4196** | 4 | BOLT (M10X1.5X35MM) | |
| | 57 | 2 | **8T-4223** | 2 | WASHER-HARD (13.5X25.5X3MM THK) | |
| M | 58 | 1 | **8T-4649** | 2 | BOLT (M24X3X140MM) | |
| M | 59 | 2 | **8T-4189** | 4 | BOLT (M8X1.25X20MM) | |
| | 60 | 1 | **8T-8908** | 2 | BOLT (1/4-20X1 IN) | |
| M | 61 | 2 | **9X-2042** | 4 | SCREW-TRUSS HEAD (M6X1X12MM) | |
| M | 62 | 2 | **9X-2043** | 12 | SCREW-TRUSS HEAD (M6X1X14MM) | |

B-USE AS REQUIRED
M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00745780

*156-4755* **PLATFORM GP-CAB** ***(contd.)*** **i01497223**




GRAPHIC #2

g00777503

# 195-8711 PLUG AS

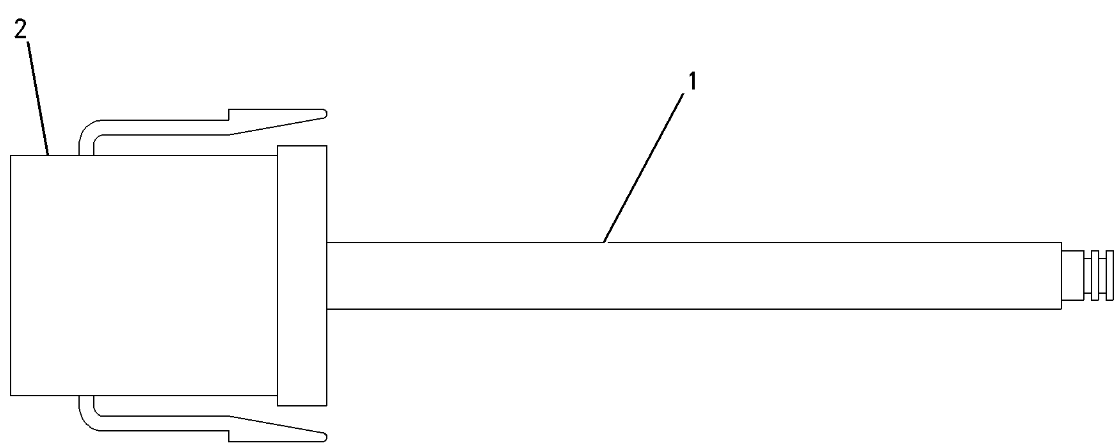
**S/N: AKA1-UP**

**PART OF 157-8035 SUPPRESSION AR-SOUND**

**SMCS-1408** **i01445662**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BD | 1 | 1 | **5P-5677** | | WIRE (18 GA) | |
| BE | | 1 | **119-3662** | | TUBE-SHRINKABLE | |
| | 2 | 1 | **155-2265** | 1 | KIT-CONNECTING PLUG (8 PIN) | |
| | | | | | (INCLUDES PLUG AS, WEDGE & INTERFACE SEAL) | |
| | | 1 | **155-2259** | 1 | WEDGE-PLUG LOCK | |
| | | 1 | **8T-8737** | 3 | PLUG-SEAL | |
| | | 1 | **9X-3402** | 3 | SOCKET-CONNECTOR | |
| | | | | | (FOR 16-18 GA WIRE) | |
| | | | | | —OR— | |
| | | 1 | **126-1768** | 3 | SOCKET-CONNECTOR | |
| | | | | | (FOR 14 GA WIRE) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00730235

## *159-0725* PRESSURIZER GP-CAB

**S/N: AKA1-UP**

**PART OF 159-8367 CAB AR**

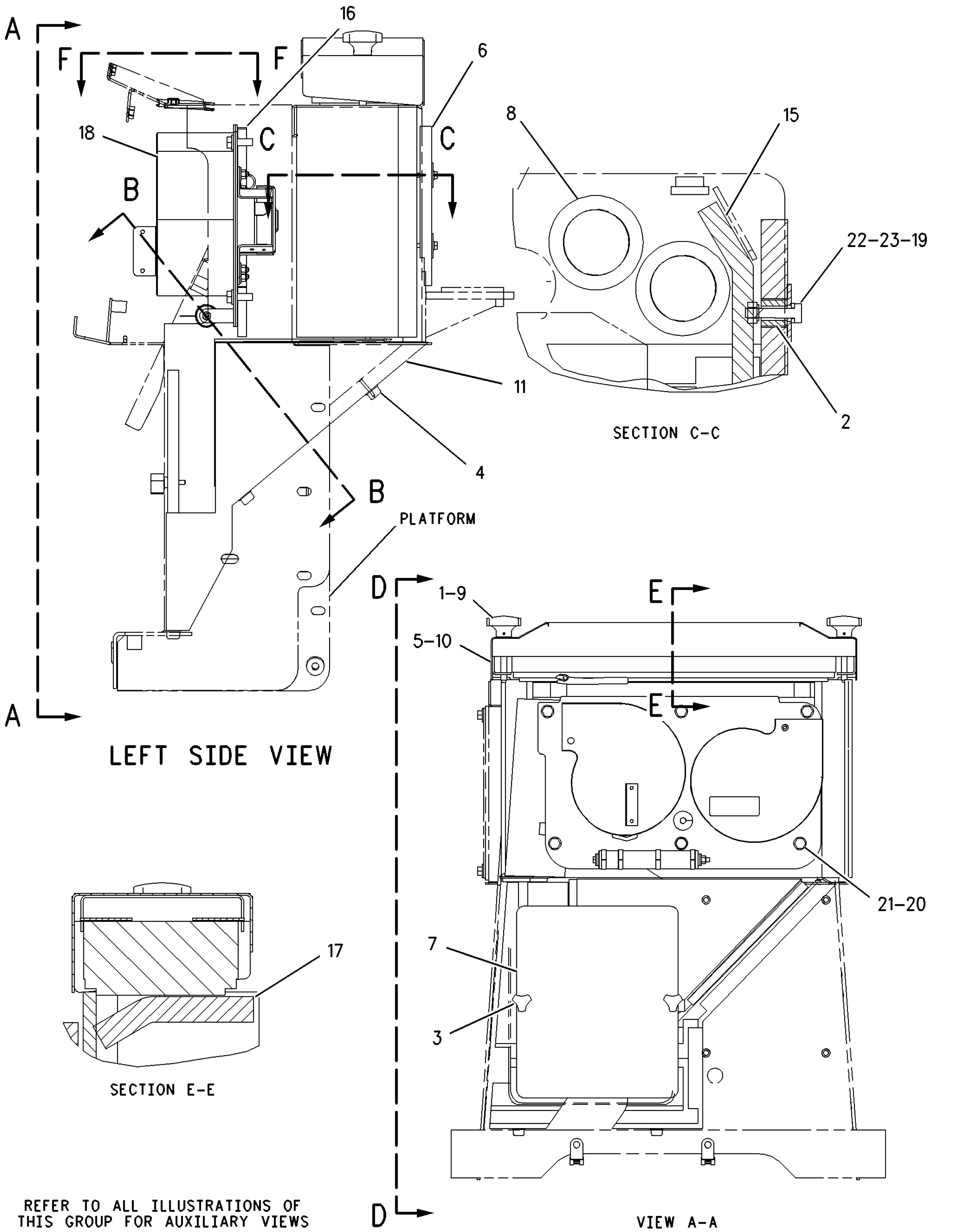
**SMCS-7311** **i01447129**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3H-6660** | 2 | PIN-SPRING | |
| | 2 | 1 | **3L-0594** | 3 | SPACER (8.7X15.9X15.9MM THK) | |
| | 3 | 1 | **3W-6756** | 2 | KNOB | |
| | 4 | 1 | **6P-2216** | 6 | CAP-PUSH ON | |
| | 5 | 1 | **6T-0988** | 1 | FILTER-AIR (CAB FRESH AIR) | |
| | 6 | 1 | **6T-5067** | 1 | LINER | |
| | 7 | 1 | **6T-5068** | 1 | FILTER AS (CAB REC AIR) | |
| | 8 | 1,2 | **6V-1790** | 3 | PLUG-BUTTON | |
| | 9 | 1 | **9W-7033** | 2 | KNOB AS | |
| | | | | | (EACH INCLUDES) | |
| | | 1 | **8T-7566** | 1 | PIN-SPRING | |
| | 10 | 1 | **111-4482** | 1 | COVER AS | |
| | 11 | 1 | **117-8863** | 1 | LINER | |
| | 12 | 2 | **127-1043** | 1 | LINER | |
| | 13 | 2 | **127-1044** | 1 | LINER | |
| | 14 | 2 | **127-1045** | 1 | LINER | |
| | 15 | 1 | **127-1046** | 1 | LINER | |
| | 16 | 1 | **127-1048** | 1 | LINER | |
| | 17 | 1 | **141-4044** | 1 | PANEL | |
| Y | 18 | 1 | **159-0653** | 1 | BLOWER GP-CAB | 738 |
| | 19 | 1 | **7X-0603** | 3 | WASHER-HARD (9.9X35X2.5MM THK) | |
| | 20 | 1 | **8T-4121** | 6 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 21 | 1 | **8T-4195** | 6 | BOLT (M10X1.5X30MM) | |
| M | 22 | 1 | **8T-4971** | 3 | BOLT (M6X1X30MM) | |
| | 23 | 1 | **9X-8256** | 3 | WASHER (6.6X12X2MM THK) | |
| E | 24 | 2 | **7X-7877** | | STRIP-EDGING (47CM) | |

E-ORDER BY THE CENTIMETER
M-METRIC PART
Y-SEPARATE ILLUSTRATION

## *159-0725* **PRESSURIZER GP-CAB** *(contd.)*

i01447129

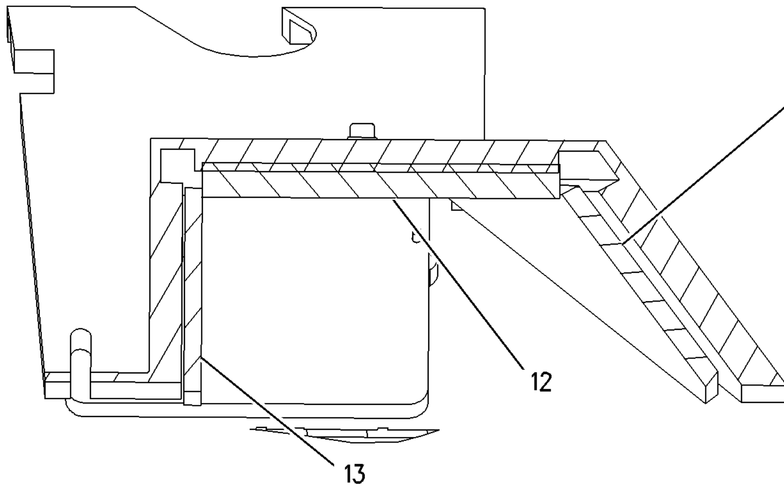



GRAPHIC #1

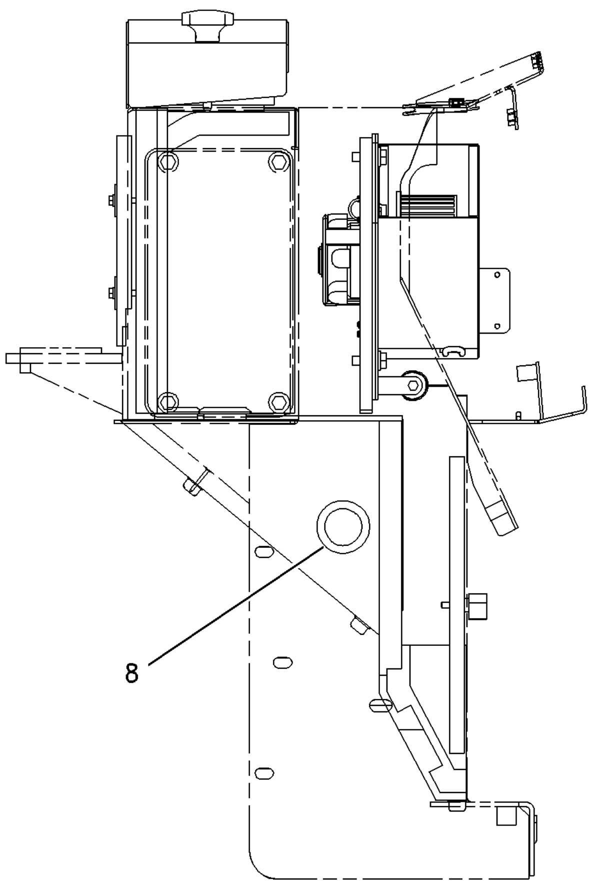
g00744854

# OPERATOR STATION

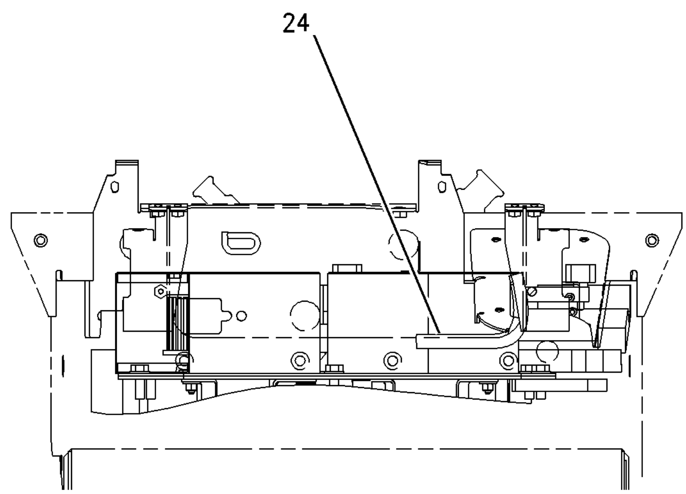
*159-0725* **PRESSURIZER GP-CAB** ***(contd.)*** **i01447129**




SECTION B-B




VIEW D-D




VIEW F-F

GRAPHIC #2

g00744855

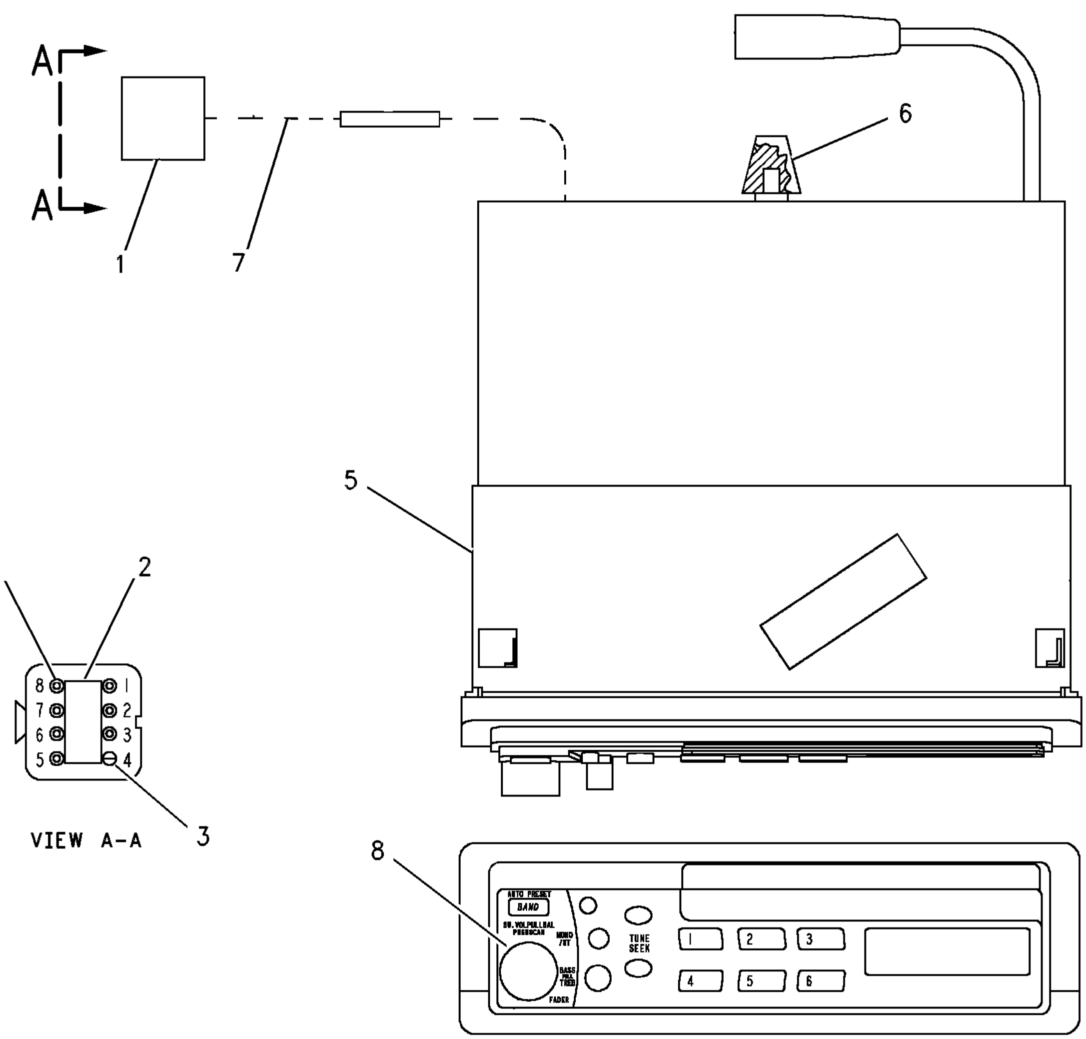
# OPERATOR STATION

## *173-6530* RADIO GP-AM/FM/WB

**S/N: AKA1-UP**

**SMCS-7338** **i01489035**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 2 | 1 | **3E-3389** | 1 | WEDGE-RECEPTACLE LOCK | |
| | 3 | 1 | **8T-8737** | 1 | PLUG-SEAL | |
| | 4 | 1 | **186-3735** | 7 | PIN-CONNECTOR | |
| | 5 | 1 | **192-7054** | 1 | SLEEVE | |
| | 6 | 1 | **137-8165** | 1 | BUMPER | |
| | 7 | 1 | **186-2741** | 1 | HARNESS AS-RADIO | |
| | | 1 | **102-8806** | 1 | KIT-RECEPTACLE (8 PIN) | |
| | | | | | (INCLUDES RECEPTACLE AS & WEDGE) | |
| | 8 | 1 | **175-3678** | 1 | KIT-KNOB | |




GRAPHIC #1

g00623314

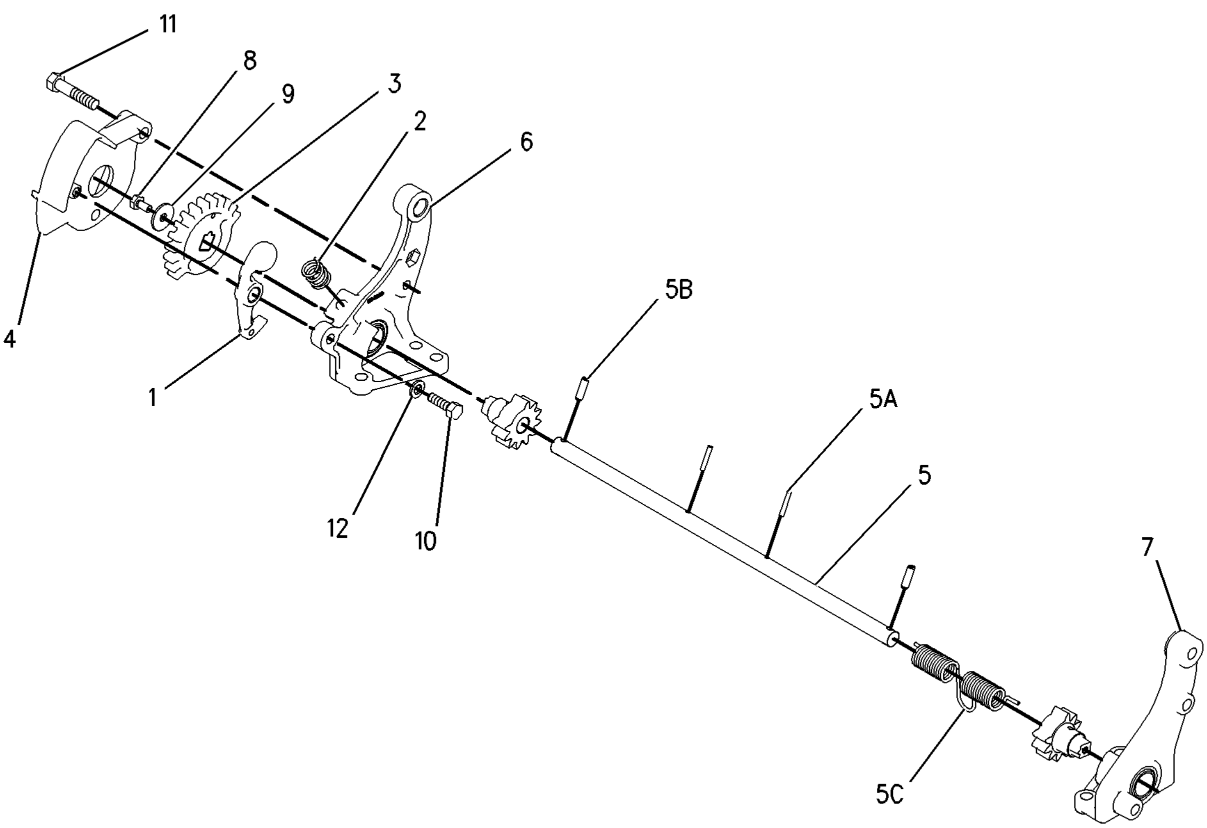
# *177-4935* RECLINER GP-SEAT

**S/N: AKA1-UP**

**PART OF 178-0603, 180-7304 SEAT GP**

**SMCS-7312** **i01437592**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **188-2586** | 1 | LATCH | |
| | 2 | 1 | **164-4146** | 1 | SPRING | |
| | 3 | 1 | **177-1860** | 1 | GEAR | |
| | 4 | 1 | **177-1862** | 1 | BRACKET | |
| | 5 | 1 | **178-0607** | 1 | SHAFT AS | |
| | 5A | 1 | **2K-9111** | 2 | PIN-SPRING | |
| | 5B | 1 | **9M-6803** | 2 | DOWEL | |
| | 5C | 1 | **170-8590** | 1 | SPRING | |
| | 6 | 1 | **178-0608** | 1 | BRACKET AS | |
| | 7 | 1 | **178-0609** | 1 | BRACKET AS | |
| | 8 | 1 | **0S-1614** | 1 | BOLT (1/4-20X.5 IN) | |
| | 9 | 1 | **101-2867** | 1 | WASHER-HARD | |
| | 10 | 1 | **4M-6425** | 1 | BOLT (5/16-18X1 IN) | |
| | 11 | 1 | **5S-7383** | 1 | BOLT (3/8-16X1.75 IN) | |
| | 12 | 1 | **8T-4224** | 1 | WASHER-HARD (8.8X16X2MM THK) | |




GRAPHIC #1

g00673022

# MEMORANDA

# OPERATOR STATION

## *167-2088* ROPS GP

**S/N: AKA1-UP**

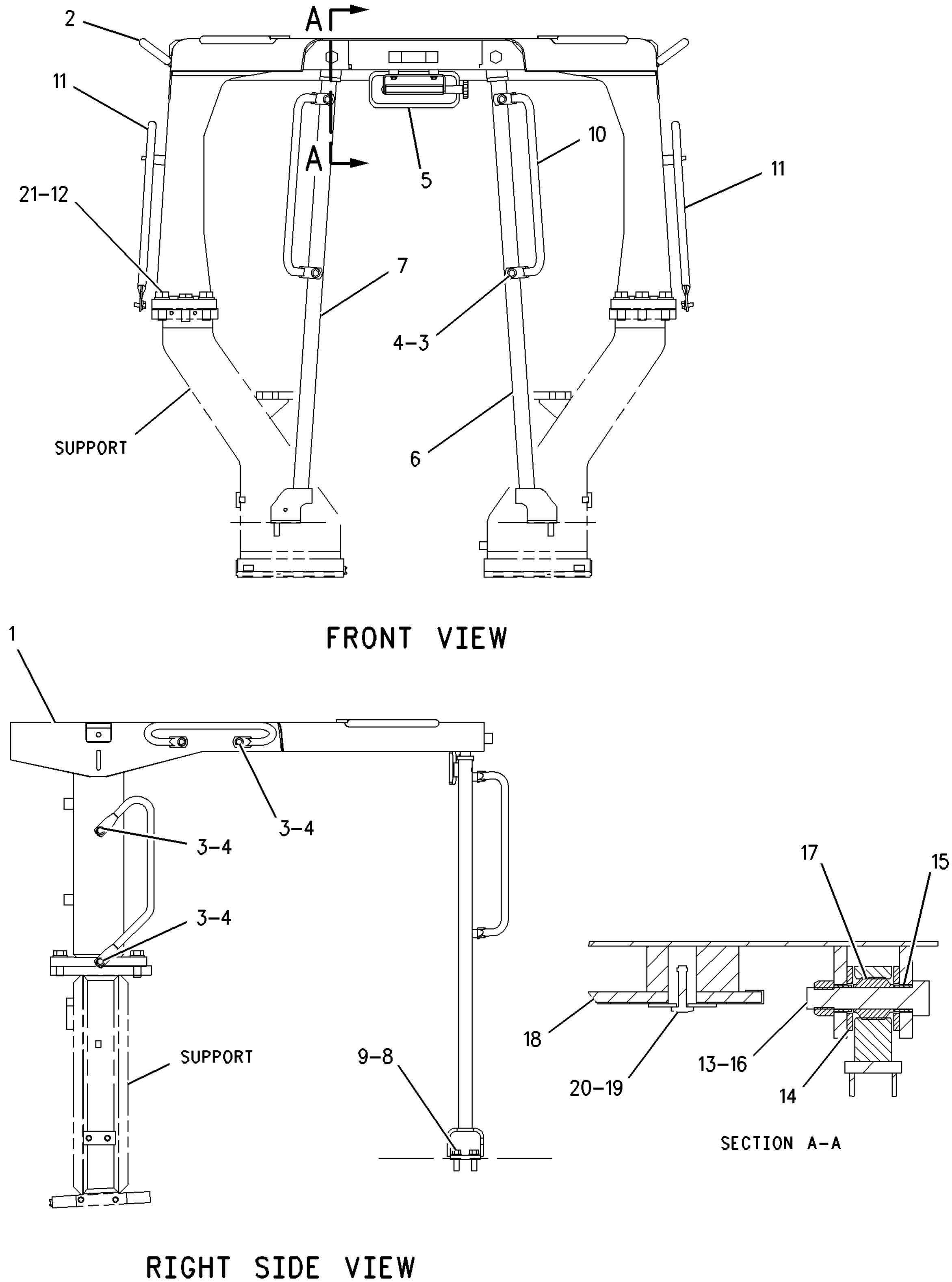
**PART OF 157-0819 CHASSIS AR**

**SMCS-7323, 7325** **i01435245**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **184-3152** | 1 | ROPS AS | |
| | 2 | 1 | **8P-9747** | 2 | HANDHOLD | |
| | 3 | 1 | **5P-1076** | 12 | WASHER-HARD (13.5X30X4MM THK) | |
| | 4 | 1 | **5C-6565** | 12 | BOLT (1/2-13X1.25 IN) | |
| Y | 5 | 1 | *9P-9392* | 1 | MIRROR GP-REAR VIEW | 797 |
| | 6 | 1 | **170-7259** | 1 | TUBE AS | |
| | 7 | 1 | **170-7260** | 1 | TUBE AS | |
| | 8 | 1 | **8T-4994** | 4 | WASHER-HARD (20X36.5X5MM THK) | |
| | 9 | 1 | **8T-8924** | 4 | BOLT (3/4-10X2.50 IN) | |
| | 10 | 1 | **9G-0992** | 2 | HANDHOLD | |
| | 11 | 1 | **180-6600** | 2 | HANDHOLD | |
| | 12 | 1 | **8C-8843** | 2 | BOLT (1-8X4.5 IN) | |
| | 13 | 1 | **8P-5244** | 4 | WASHER (33.3X69.8X6.35MM THK) | |
| | 14 | 1 | **1P-2772** | 4 | SPACER (26X31X19MM THK) | |
| | 15 | 1 | **6K-3632** | 2 | LOCKNUT (1-8 THD) | |
| | 16 | 1 | **9S-5187** | 2 | MOUNTING | |
| | 17 | 1 | **196-9846** | 1 | HEADLINER | |
| | 18 | 1 | **198-6574** | 12 | WASHER (16X75X3.5MM THK) | |
| | 19 | 1 | **198-6575** | 12 | BUTTON | |
| | 20 | 1 | **7X-0531** | 12 | WASHER-HARD (31X52.5X6MM THK) | |
| | 21 | 1 | **7X-0421** | 12 | BOLT (1 1/8-7X3 IN) | |

Y-SEPARATE ILLUSTRATION

*167-2088* **ROPS GP** ***(contd.)*** **i01435245**




GRAPHIC #1 g00749338

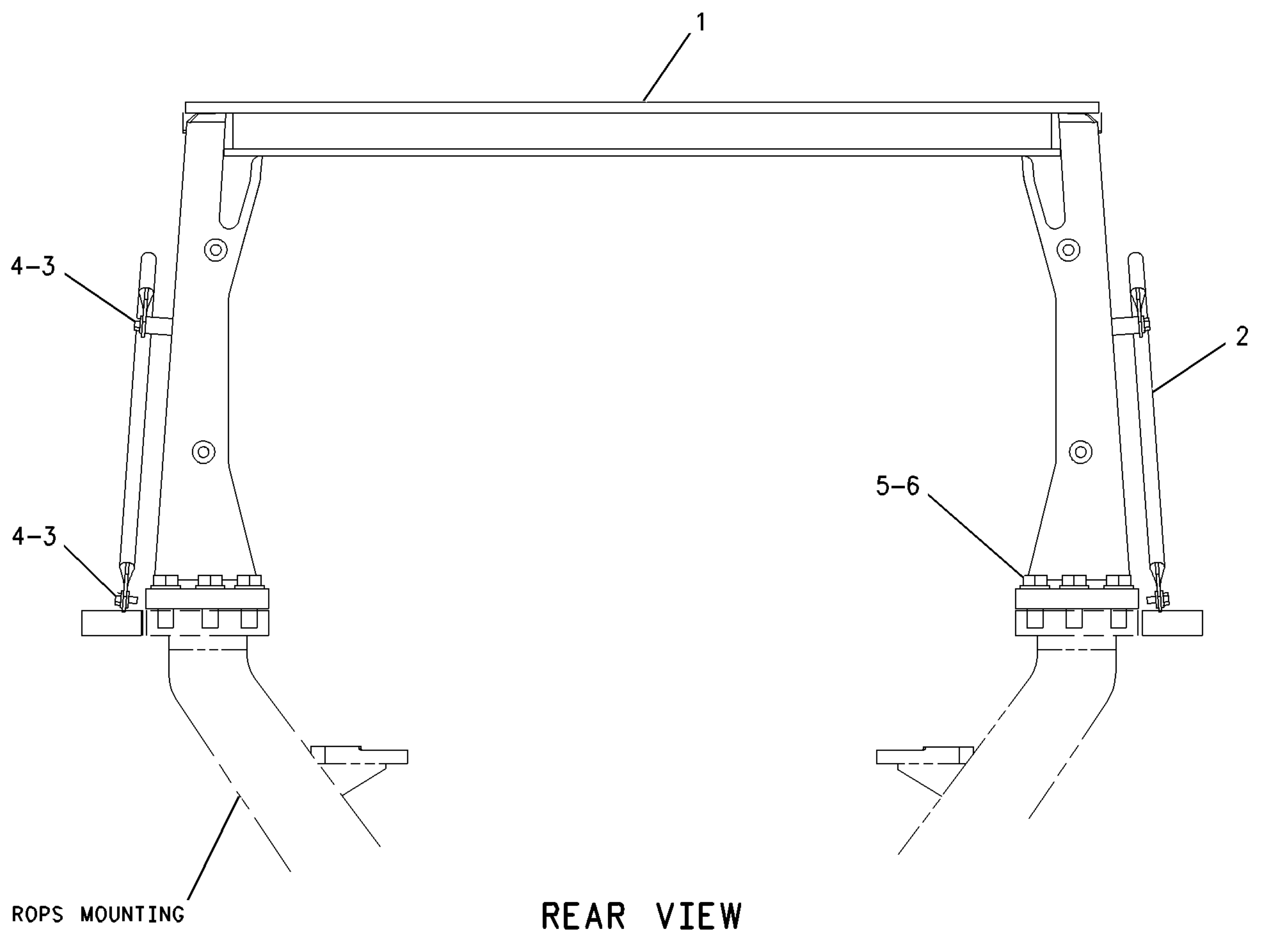
# *159-8809* ROPS GP-ENCLOSED

**S/N: AKA1-UP**

**PART OF 159-8367 CAB AR**

**SMCS-7323** **i01476602**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **159-8816** | 1 | ROPS AS | |
| | 2 | 1 | **180-6600** | 2 | HANDHOLD | |
| | 3 | 1 | **5C-6565** | 4 | BOLT (1/2-13X1.25 IN) | |
| | 4 | 1 | **5P-1076** | 6 | WASHER-HARD (13.5X30X4MM THK) | |
| | 5 | 1 | **7X-0421** | 12 | BOLT (1 1/8-7X3 IN) | |
| | 6 | 1 | **7X-0531** | 12 | WASHER-HARD (31X52.5X6MM THK) | |



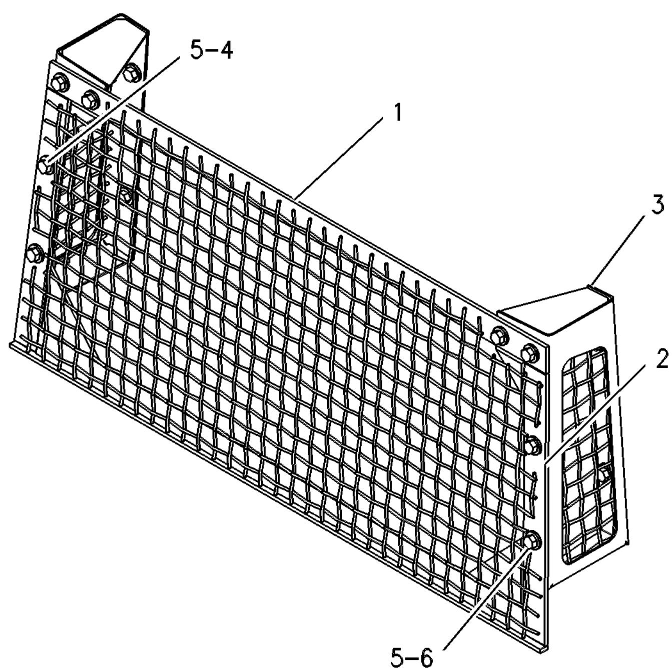

GRAPHIC #1 g00672041

## *126-8799* SCREEN GP-PROTECTION—REAR

**S/N: AKA1-UP**

**SMCS-7165** **i01441716**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **127-8968** | 1 | SCREEN AS | |
| | 2 | 1 | **127-8977** | 1 | BRACKET AS | |
| | | 1 | **8J-7236** | 4 | NUT-WELD (3/4-10 THD) | |
| | | 1 | **7T-1099** | 2 | LINK | |
| | 3 | 1 | **127-8979** | 1 | BRACKET AS | |
| | | 1 | **8J-7236** | 4 | NUT-WELD (3/4-10 THD) | |
| | | 1 | **7T-1099** | 1 | LINK | |
| | 4 | 1 | **7X-0365** | 4 | BOLT (3/4-10X1.5 IN) | |
| | 5 | 1 | **7X-0582** | 12 | WASHER-HARD (20X44.5X6MM THK) | |
| | 6 | 1 | **8T-9398** | 8 | BOLT (3/4-10X1.75 IN) | |




GRAPHIC #1 g00273421

# OPERATOR STATION

## *165-2578* SCREEN GP-PROTECTION

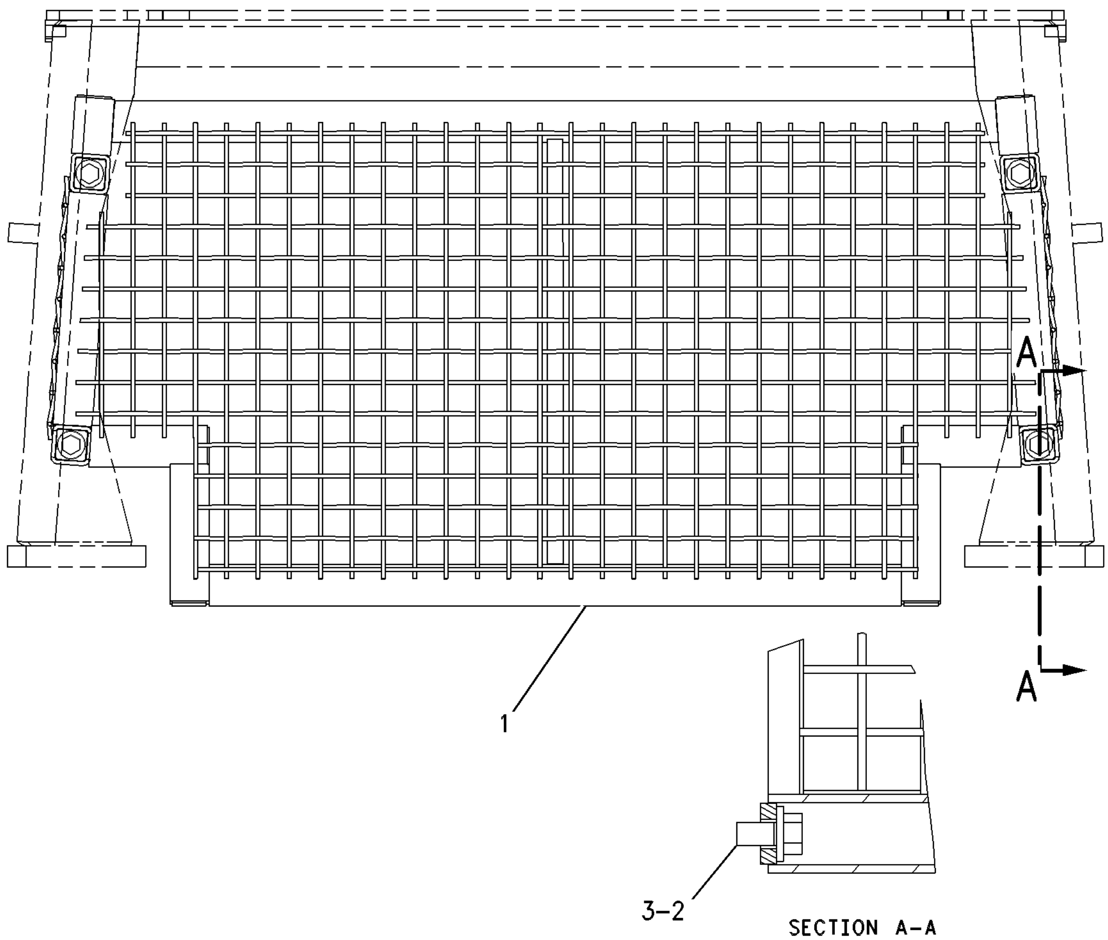
**S/N: AKA1-UP**

**REAR**

**SMCS-7165** **i01489019**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| N | 1 | 1 | **165-2577** | 1 | SCREEN AS | |
| | 2 | 1 | **7X-0366** | 4 | BOLT (3/4-10X2 IN) | |
| | 3 | 1 | **7X-0582** | 4 | WASHER-HARD (20X44.5X6MM THK) | |

N-NEW PART




GRAPHIC #1

g00569648

# OPERATOR STATION

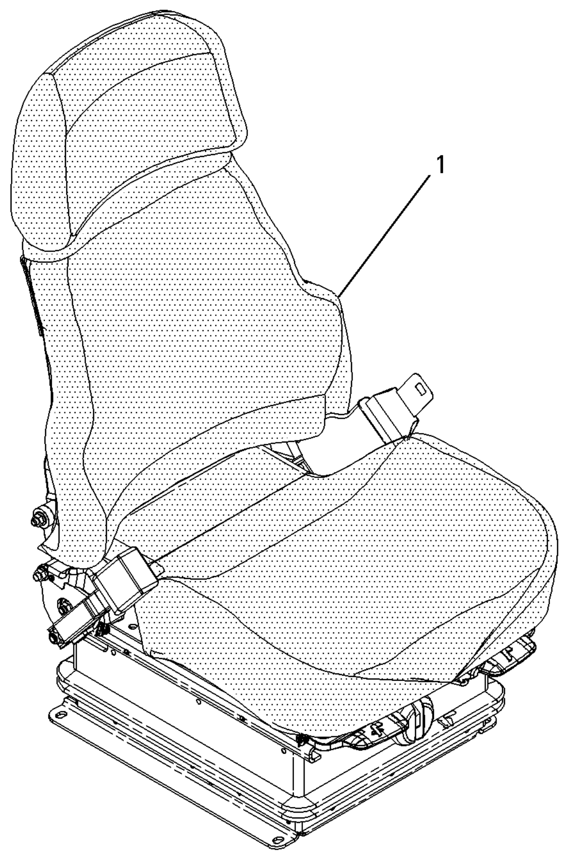
## *177-7352* SEAT AR

**S/N: AKA1-UP**

**SMCS-7312** **i01489043**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **159-2950** | 1 | SEAT GP-SUSPENSION | 839 |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00695004

# OPERATOR STATION

## *160-6521* SEAT GP

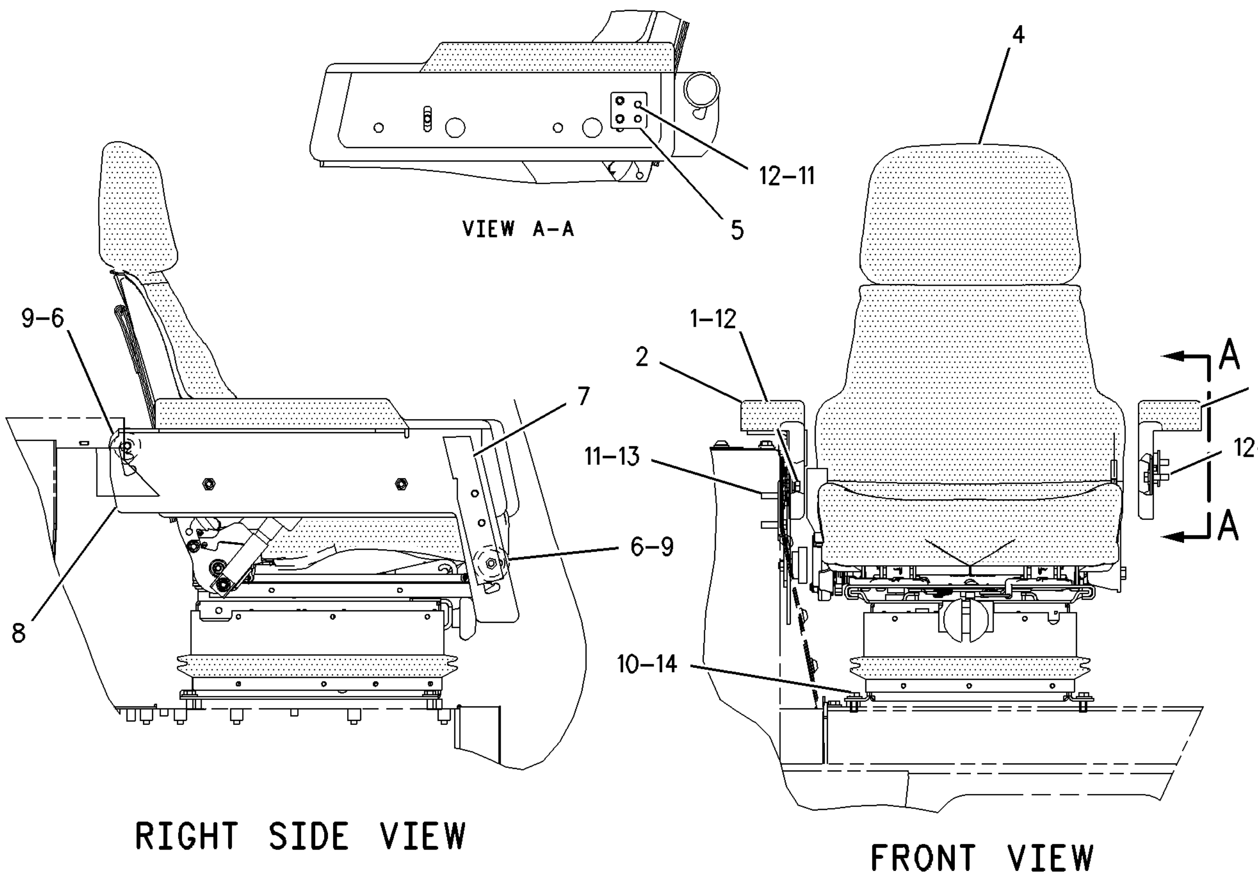
**S/N: AKA1-UP**

**PART OF 157-0819 CHASSIS AR**

**SMCS-7312** **i01437122**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6V-8829** | 4 | WASHER-HARD (12.5X24X3MM THK) | |
| | 2 | 1 | **126-3700** | 1 | ARMREST AS | |
| | 3 | 1 | **126-3701** | 1 | ARMREST AS | |
| Y | 4 | 1 | **159-2950** | 1 | SEAT GP-SUSPENSION | 839 |
| | 5 | 1 | **163-3286** | 1 | BRACKET AS | |
| | 6 | 1 | **184-1503** | 2 | KNOB (ARMREST ADJUSTMENT) | |
| | 7 | 1 | **184-3269** | 1 | PLATE AS | |
| | 8 | 1 | **184-3270** | 1 | PLATE AS | |
| | 9 | 1 | **5P-1075** | 2 | WASHER-HARD (10.2X22.5X3MM THK) | |
| | 10 | 1 | **7X-7729** | 4 | WASHER (11X25X3MM THK) | |
| | 11 | 1 | **8T-4121** | 4 | WASHER-HARD (11X21X2.5MM THK) | |
| M | 12 | 1 | **8T-4137** | 6 | BOLT (M10X1.5X20MM) | |
| M | 13 | 1 | **8T-4196** | 2 | BOLT (M10X1.5X35MM) | |
| M | 14 | 1 | **9X-2125** | 4 | BOLT-LOCKING (M10X1.5X25MM) | |

M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00743940

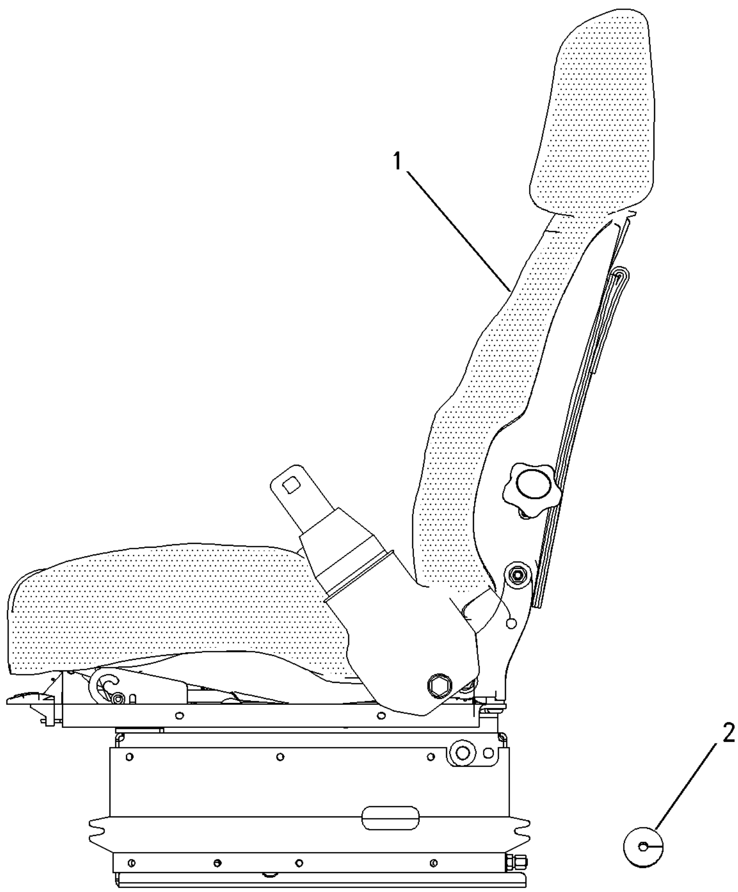
# *160-7178* SEAT GP

S/N: AKA1-UP

SMCS-7312 i01488964

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **160-7188** | 1 | SEAT GP-SUSPENSION | 841 |
| | 2 | 1 | **9V-2818** | 1 | GROMMET | |

Y-SEPARATE ILLUSTRATION




LEFT SIDE VIEW

GRAPHIC #1 g00722599

# OPERATOR STATION

## *178-0603* SEAT GP—FABRIC

S/N: AKA1-UP

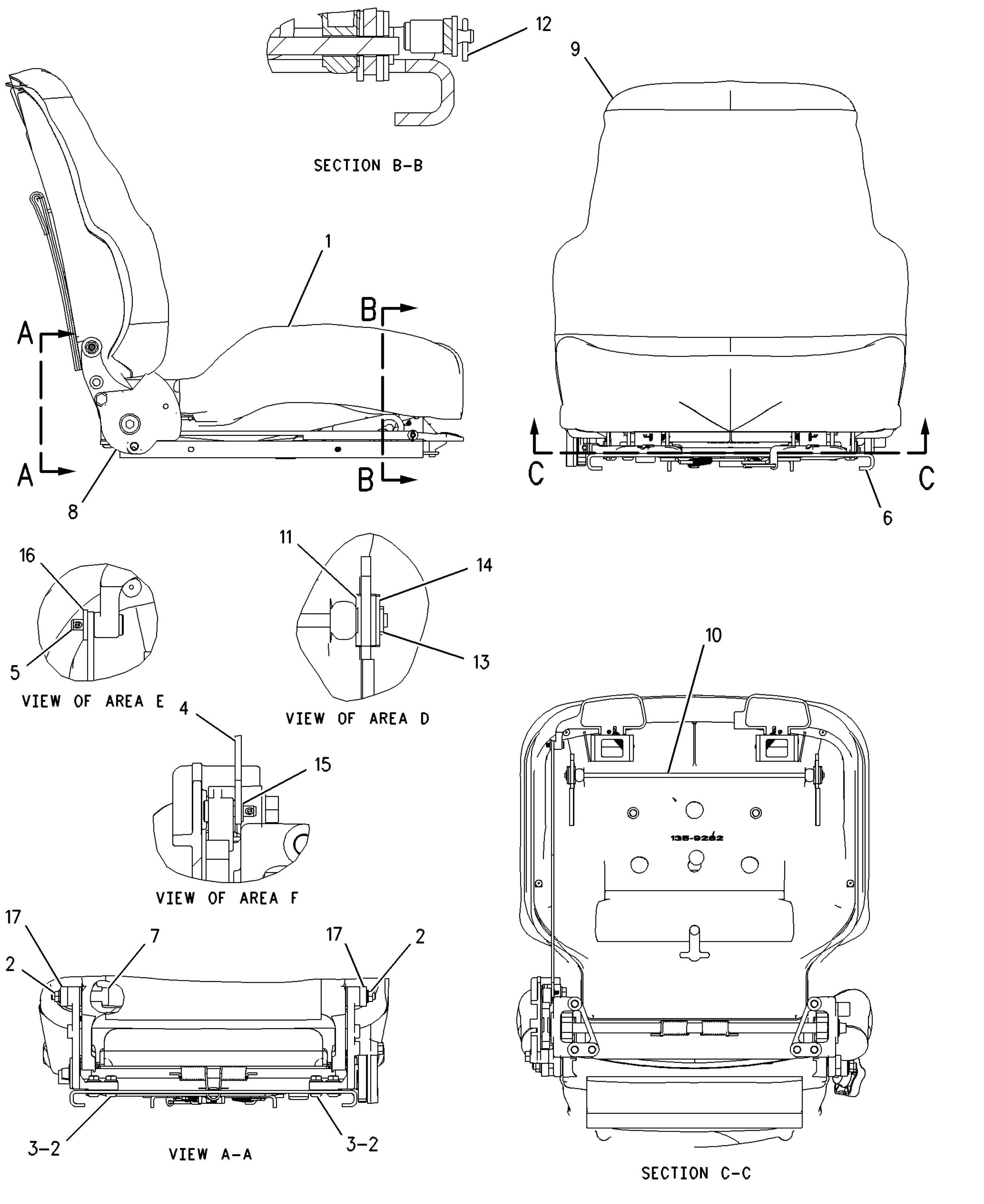
PART OF 178-0606 SEAT GP

SMCS-7312 i01447913

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **135-5499** | 1 | PAN AS | |
| | | 1 | **8T-9082** | 5 | RIVET-POP | |
| | | 1 | **117-4506** | 1 | CUSHION AS | |
| | 2 | 1 | **143-1288** | 8 | LOCKNUT-FLANGE | |
| | 3 | 1 | **171-1230** | 6 | SCREW-BUTTON HEAD (3/8-16X1 IN) | |
| | 4 | 1 | **171-6682** | 1 | BAR-RECLINER | |
| | 5 | 1 | **172-2416** | 2 | PIN | |
| Y | 6 | 1 | *173-1028* | 1 | PLATE GP-SLIDE | 813 |
| | 7 | 1 | **177-1863** | 2 | BOLT-PIVOT (3/8-16X2.89 IN) | |
| Y | 8 | 1 | *177-4935* | 1 | RECLINER GP-SEAT | 822 |
| Y | 9 | 1 | *178-0604* | 1 | PAN GP-SEAT (BACK) | 811 |
| | 10 | 1 | **184-2298** | 1 | ROD | |
| | 11 | 1 | **184-2299** | 4 | WASHER (7X25.4X2.54MM THK) | |
| | 12 | 1 | **095-0843** | 2 | COTTER | |
| | 13 | 1 | **5V-1496** | 2 | RETAINER | |
| | 14 | 1 | **6V-7646** | 2 | WASHER-HARD (7.2X25X2MM THK) | |
| | 15 | 1 | **8T-0328** | 1 | WASHER-HARD (5.5X10X1MM THK) | |
| | 16 | 1 | **8T-4205** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |
| | 17 | 1 | **8Y-6277** | 2 | SPACER (10.5X28.6X10MM THK) | |

Y-SEPARATE ILLUSTRATION

*178-0603* **SEAT GP** ***(contd.)*** **i01447913**




GRAPHIC #1 g00729407

# 178-0606 SEAT GP–CLOTH

S/N: AKA1-UP

PART OF 160-7186, 160-7188 SEAT GP-SUSPENSION

SMCS-7312 i01447903

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **173-3082** | 1 | EXTENSION GP-BACKREST (CLOTH) | |
| | **117-4491** | 1 | ROD | |
| | **180-5559** | 1 | SCREW-PAN HEAD (7/16-20X1.75 IN) | |
| | **180-5560** | 1 | SCREW-PAN HEAD (7/16-20X1.25 IN) | |
| | **183-3648** | 1 | SEAT BELT GP | |
| Y | **178-0603** | 1 | SEAT GP (CLOTH) | 832 |
| | **177-4937** | 1 | SPACER (12.7MM ID) | |

Y-SEPARATE ILLUSTRATION

# MEMORANDA

# OPERATOR STATION

## *180-7304* SEAT GP

**S/N: AKA1-UP**

**VINYL**

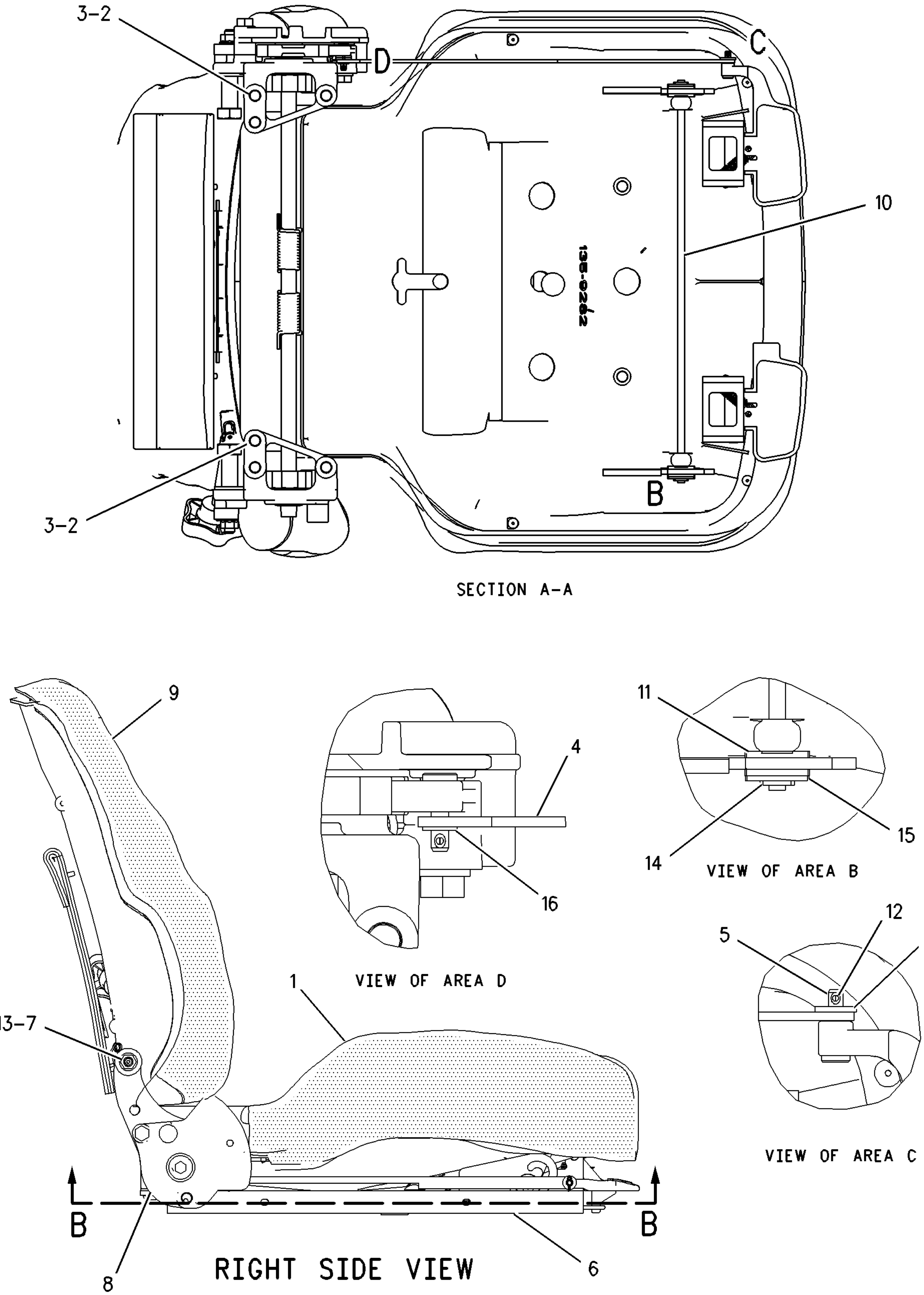
**PART OF 184-6011 SEAT GP**

**SMCS-7312** **i01437550**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6K-3273** | 5 | RIVET-POP (6.4MM DIA) | |
| | | 1 | **169-1026** | 1 | CUSHION AS | |
| | 2 | 1 | **143-1288** | 8 | LOCKNUT-FLANGE | |
| | 3 | 1 | **171-1230** | 6 | SCREW-BUTTON HEAD | |
| | 4 | 1 | **171-6682** | 1 | BAR-RECLINER | |
| | 5 | 1 | **172-2416** | 2 | PIN | |
| Y | 6 | 1 | *173-1028* | 1 | PLATE GP-SLIDE | 813 |
| | 7 | 1 | **177-1863** | 2 | BOLT-PIVOT | |
| Y | 8 | 1 | *177-4935* | 1 | RECLINER GP-SEAT | 822 |
| Y | 9 | 1 | *180-7305* | 1 | PAN GP-SEAT (BACK) | 812 |
| | 10 | 1 | **184-2298** | 1 | ROD | |
| | 11 | 1 | **184-2299** | 4 | WASHER | |
| | 12 | 1 | **095-0843** | 2 | COTTER | |
| | 13 | 1 | **8Y-6277** | 2 | SPACER (10.0MM THK) | |
| | 14 | 1 | **5V-1496** | 2 | RETAINER | |
| | 15 | 1 | **6V-7646** | 2 | WASHER-HARD (7.2X25X2MM THK) | |
| | 16 | 1 | **8T-0328** | 1 | WASHER-HARD (5.5X10X1MM THK) | |
| | 17 | 1 | **8T-4205** | 1 | WASHER-HARD (7.2X14.5X2MM THK) | |

Y-SEPARATE ILLUSTRATION

*180-7304* **SEAT GP** ***(contd.)*** **i01437550**




GRAPHIC #1 g00726860

# OPERATOR STATION

## *184-6011* SEAT GP

**S/N: AKA1-UP**

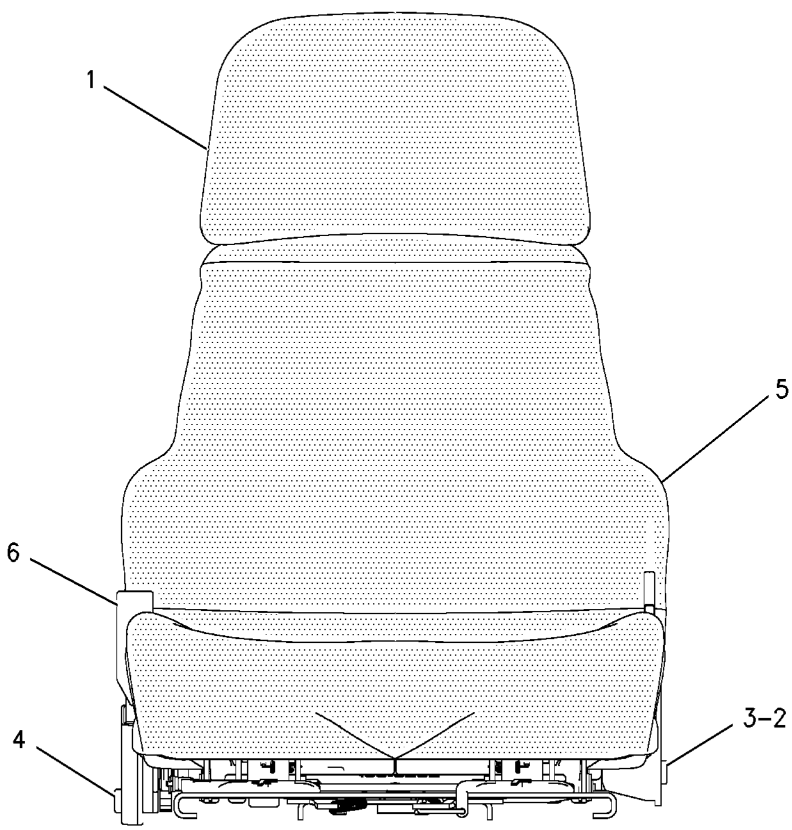
**VINYL**

**PART OF 159-2950 SEAT GP-SUSPENSION**

**SMCS-7312** **i01437523**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **173-3083** | 1 | EXTENSION GP-BACKREST | |
| | 2 | 1 | **177-4937** | 1 | SPACER (12.7MM ID) | |
| | 3 | 1 | **180-5559** | 1 | SCREW-PAN HEAD (7/16-20X1.75 IN) | |
| | 4 | 1 | **180-5560** | 1 | SCREW-PAN HEAD (7/16-20X1.25 IN) | |
| Y | 5 | 1 | **180-7304** | 1 | SEAT GP | 836 |
| | 6 | 1 | **183-3648** | 1 | SEAT BELT GP | |

Y-SEPARATE ILLUSTRATION




FRONT VIEW

GRAPHIC #1 g00683843

## *159-2950* SEAT GP-SUSPENSION—VINYL

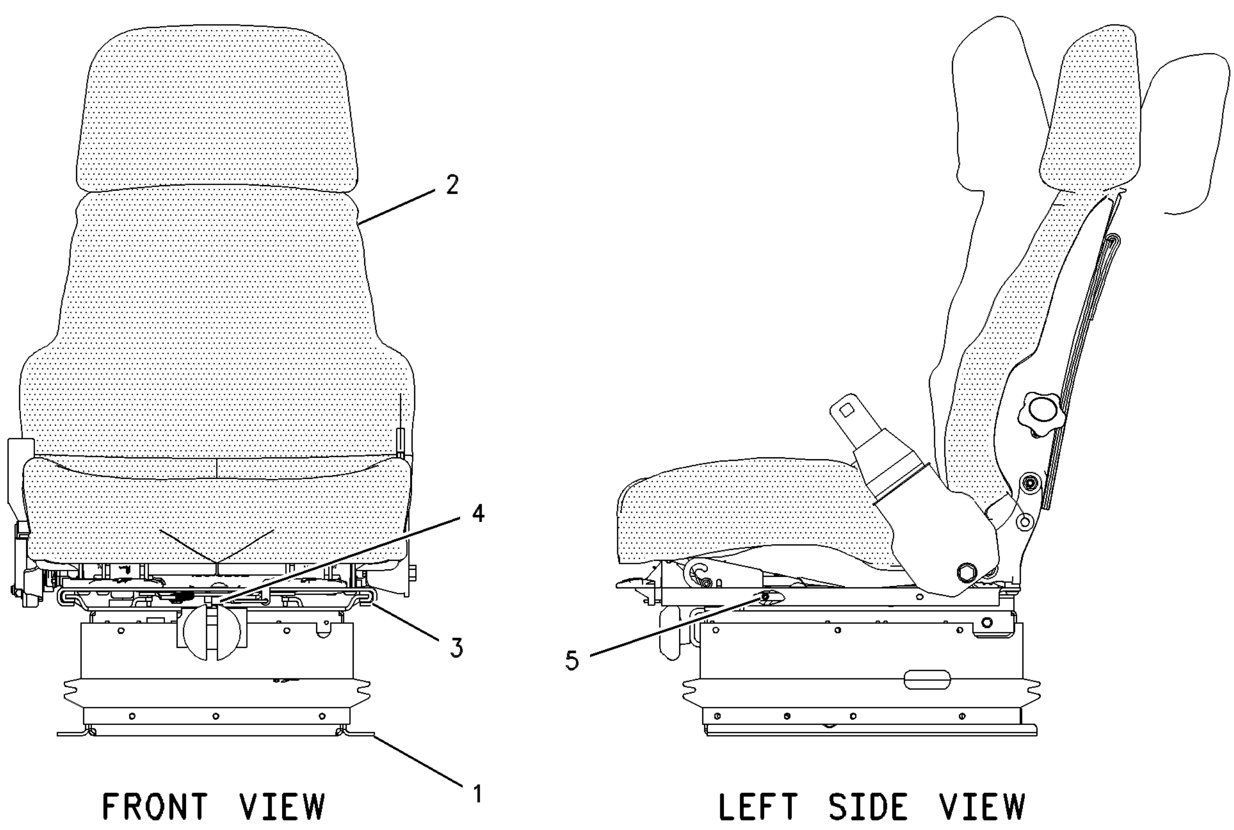
**S/N: AKA1-UP**

**PART OF 177-7352 SEAT AR, 160-6521 SEAT GP**

**SMCS-7321, 7324, 7336** **i01437148**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **160-7165** | 1 | SUSPENSION GP-SEAT | 844 |
| Y | 2 | 1 | *184-6011* | 1 | SEAT GP | 838 |
| JZ | 3 | 1 | | 4 | BLOCK-SLIDER | |
| J | 4 | 1 | **169-7380** | 1 | BOLT-SOCKET HEAD (3/8 - 16 THD) | |
| J | 5 | 1 | **173-5787** | 4 | SETSCREW | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **173-7035** | 1 | KIT-SLIDER BLOCK | |

J-KIT MARKED J INCLUDES PART(S) MARKED J
Y-SEPARATE ILLUSTRATION
Z-NOT SERVICED SEPARATELY




GRAPHIC #1 g00610923

# OPERATOR STATION

## 160-7186 SEAT GP-SUSPENSION

**S/N: AKA1-UP**

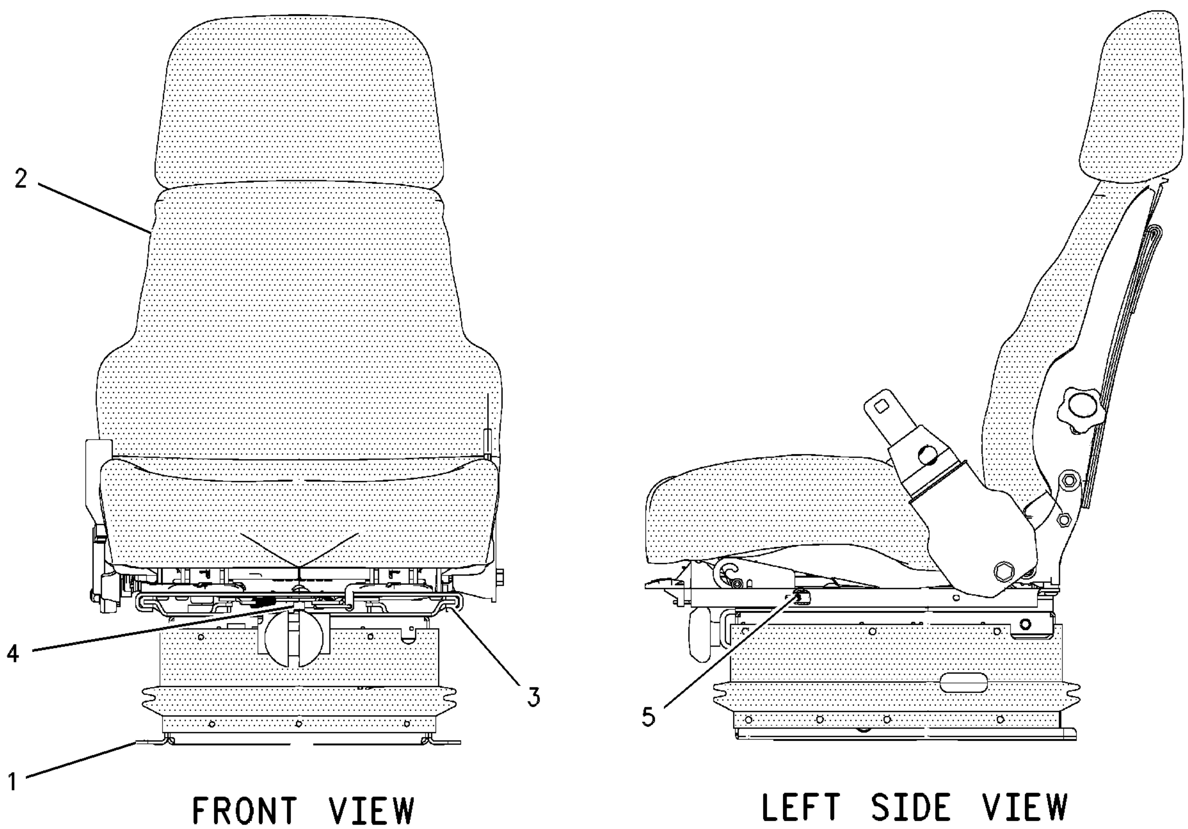
**GREY**

**PART OF 159-8367 CAB AR**

**SMCS-7321, 7324, 7336** **i01447203**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **160-7165** | 1 | SUSPENSION GP-SEAT | 844 |
| Y | 2 | 1 | **178-0606** | 1 | SEAT GP | 834 |
| J | 3 | 1 | **161-9289** | 4 | BLOCK-SLIDER | |
| | 4 | 1 | **169-7380** | 2 | BOLT-SOCKET HEAD (3/8-16X0.375 IN) | |
| | 5 | 1 | **173-5787** | 4 | SETSCREW | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **173-7035** | 1 | KIT-SLIDER BLOCK | |

J-PART MARKED J SERVICED BY KIT MARKED J
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00638255

# 160-7188 SEAT GP-SUSPENSION

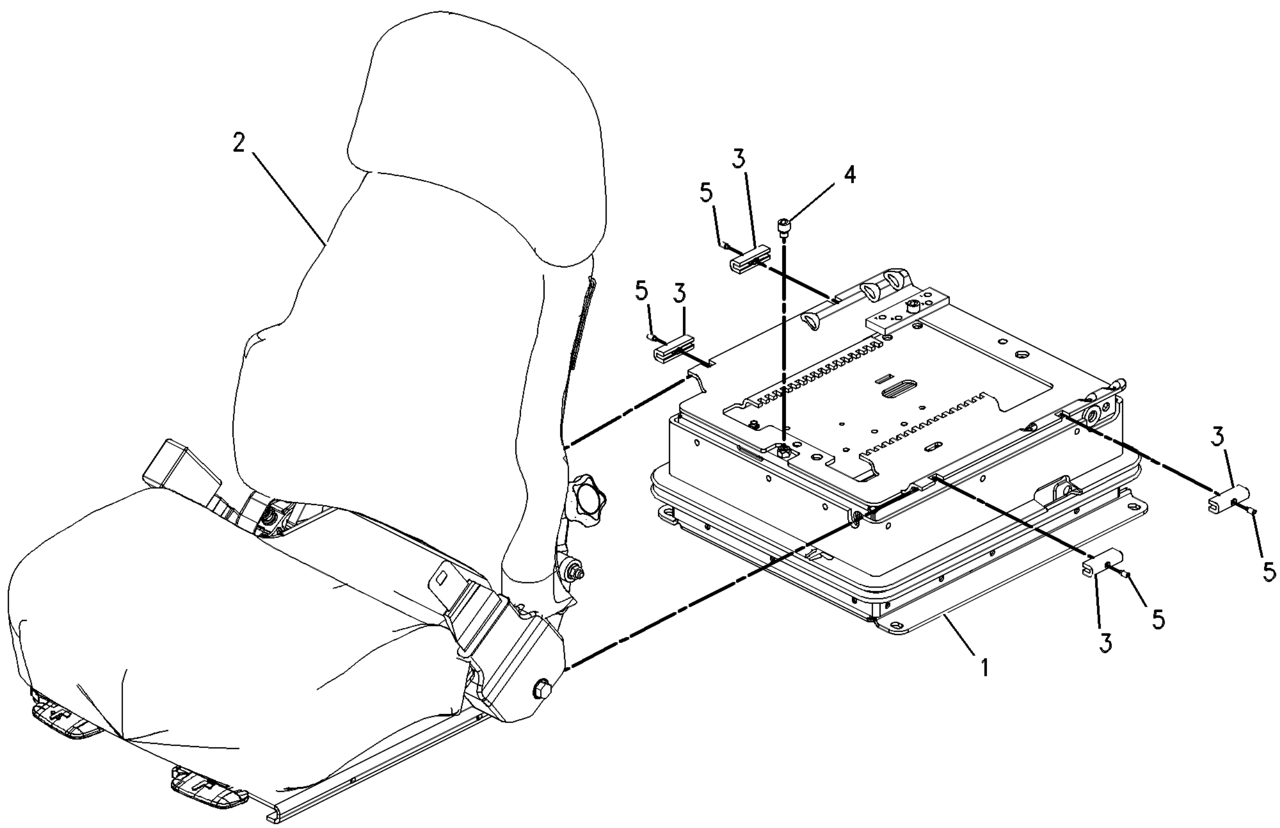
S/N: AKA1-UP

PART OF 160-7178 SEAT GP

SMCS-7321, 7324, 7336 i01488968

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **161-7539** | 1 | SUSPENSION GP-SEAT | 846 |
| Y | 2 | 1 | *178-0606* | 1 | SEAT GP | 834 |
| | 3 | 1 | **173-7035** | 1 | KIT-SLIDER BLOCK | |
| | 4 | 1 | **169-7380** | 1 | BOLT-SOCKET HEAD (3/8-16X0.375 IN) | |
| | 5 | 1 | **173-5787** | 4 | SETSCREW | |

Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00662344

# OPERATOR STATION

## *102-4317* STEP & HANDHOLD AR

**S/N: AKA1-UP**

**HEAVY DUTY**

**SMCS-7254** **i01404407**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **8T-4835** | 4 | BOLT (1/2-13X2 IN) | |
| | **8T-8919** | 2 | BOLT (1/2-13X1.75 IN) | |
| | **1Q-2130** | 1 | HANDLE AS | |
| | **1Q-2423** | 2 | HANDLE AS | |
| | **8T-4223** | 4 | WASHER-HARD (13.5X25.5X3MM THK) | |

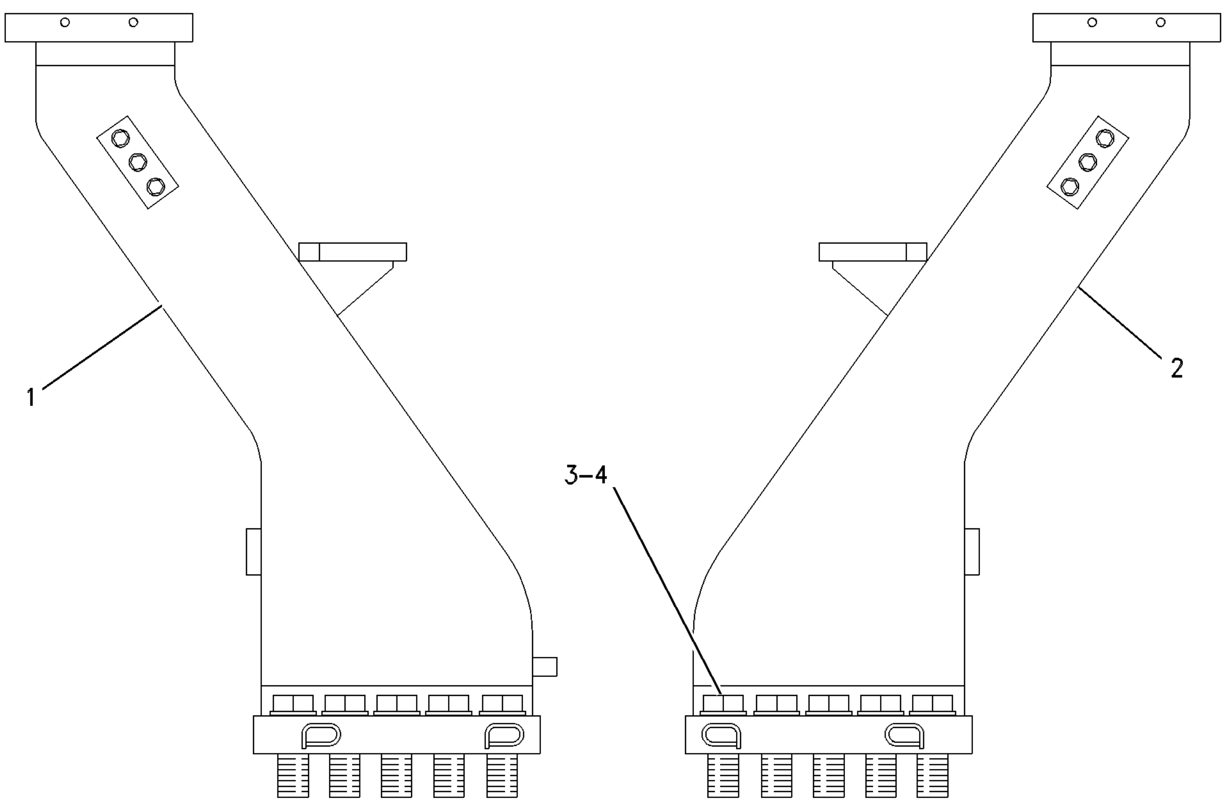
# *156-8347* SUPPORT GP-ROPS

**S/N: AKA1-UP**

**PART OF 157-0819 CHASSIS AR**

**SMCS-7325** **i01434552**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **156-8345** | 1 | SUPPORT AS-LH | |
| | | 1 | **7T-1099** | 2 | LINK | |
| | | 1 | **3Y-7829** | 1 | BOSS (3/8-16 THD) | |
| | 2 | 1 | **156-8346** | 1 | SUPPORT AS-RH | |
| | | 1 | **7T-1099** | 3 | LINK | |
| | | 1 | **8R-1386** | 1 | BLOCK | |
| | 3 | 1 | **7X-0533** | 20 | WASHER-HARD (34X55X6MM THK) | |
| | 4 | 1 | **7X-0428** | 20 | BOLT (1 1/4-7X4 IN) | |




GRAPHIC #1

g00529969

# OPERATOR STATION

## *160-7165* SUSPENSION GP-SEAT

**S/N: AKA1-UP**

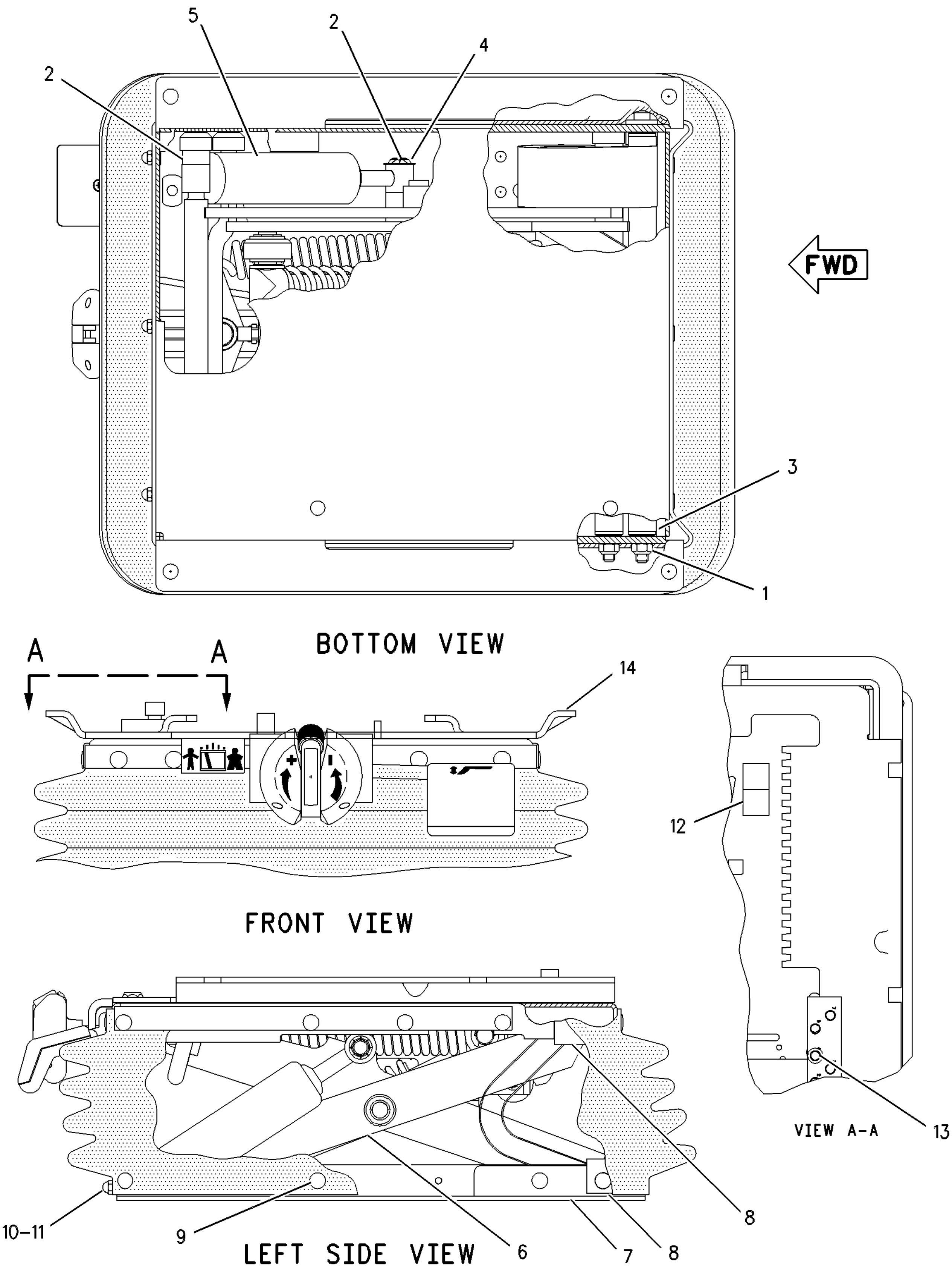
**PART OF 159-2950, 160-7186 SEAT GP-SUSPENSION**

**SMCS-7324** **i01447865**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **2K-4973** | 2 | LOCKNUT | |
| | 2 | 1 | **4V-7884** | 2 | BEARING | |
| | 3 | 1 | **4V-8577** | 4 | BEARING | |
| | 4 | 1 | **5V-1497** | 1 | RETAINER | |
| | 5 | 1 | **8Y-5965** | 1 | ABSORBER-SHOCK | |
| | 6 | 1 | **8Y-6012** | 1 | ARM AS-SUSPENSION | |
| | 7 | 1 | **8Y-6014** | 1 | HOUSING AS-LOWER | |
| | 8 | 1 | **8Y-6024** | 2 | SHAFT AS | |
| J | 9 | 1 | **101-0003** | 20 | FASTENER | |
| J | 10 | 1 | **166-6781** | 3 | FASTENER | |
| J | 11 | 1 | **163-1146** | 3 | FASTENER | |
| | 12 | 1 | **145-0326** | 1 | FILM-INSTRUCTION (SEAT ADJUSTMENT) | |
| | 13 | 1 | **169-7380** | 1 | BOLT-SOCKET HEAD (3/8-16X0.375 IN) | |
| Y | 14 | 1 | **174-2231** | 1 | HOUSING GP-SEAT SUSPENSION | 766 |
| J | 15 | 1 | **197-7689** | 3 | FASTENER | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **8Y-5944** | 1 | KIT-SUSPENSION BOOT | |
| | | | | | (INCLUDES BOOT, RETAINER & PARTS MARKED J) | |
| | | | **101-4194** | 1 | KIT-BELT TETHER | |
| | | | **101-4195** | 1 | KIT-SUSPENSION ROLLER | |

J-KIT MARKED J SERVICES PART(S) MARKED J
Y-SEPARATE ILLUSTRATION

*160-7165* **SUSPENSION GP-SEAT** ***(contd.)*** **i01447865**




GRAPHIC #1

g00609097

# OPERATOR STATION

## 161-7539 SUSPENSION GP-SEAT

**S/N: AKA1-UP**

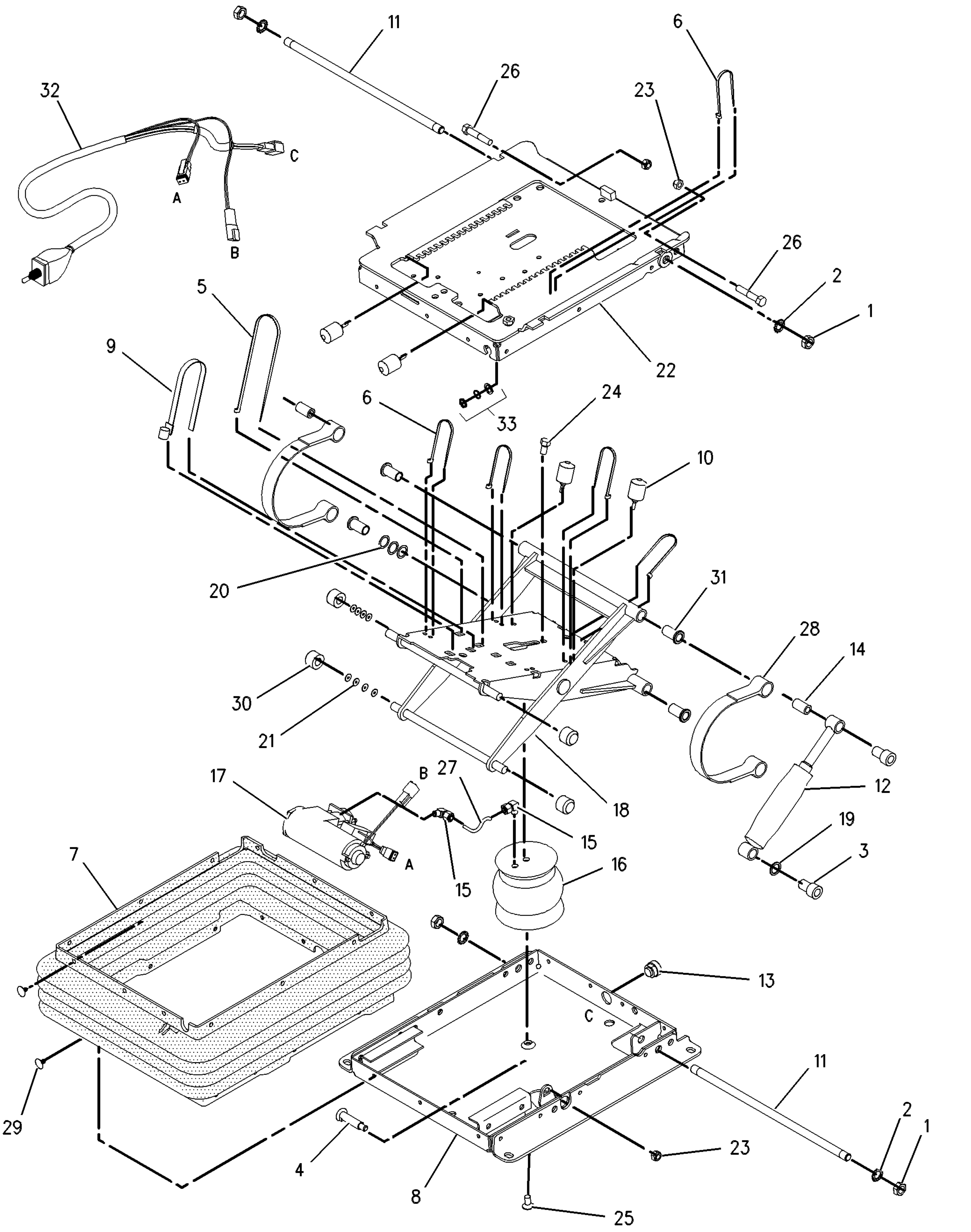
**PART OF 160-7188 SEAT GP-SUSPENSION**

**SMCS-7324** **i01488973**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1B-4430** | 4 | NUT-JAM (1/2-20 THD) | |
| | 2 | 1 | **3J-4818** | 4 | LOCKWASHER | |
| | 3 | 1 | **4V-7884** | 2 | BEARING | |
| | 4 | 1 | **4V-8556** | 1 | BOLT (3/8-16X2.34 IN) | |
| | 5 | 1 | **6K-0806** | 1 | STRAP-CABLE | |
| | 6 | 1 | **8L-8413** | 5 | STRAP-CABLE | |
| | 7 | 1 | **8Y-6917** | 1 | BOOT | |
| | 8 | 1 | **8Y-6922** | 1 | HOUSING AS | |
| | 9 | 1 | **9M-0164** | 1 | CLAMP-HOSE | |
| | 10 | 1 | **102-6317** | 4 | BUMPER | |
| | 11 | 1 | **123-8157** | 2 | SHAFT | |
| | 12 | 1 | **123-9131** | 1 | ABSORBER-SHOCK | |
| | 13 | 1 | **124-7128** | 1 | BUSHING-RELIEF | |
| | 14 | 1 | **128-0686** | 2 | SPACER (9.78X15.88X27.8MM THK) | |
| | 15 | 1 | **147-4549** | 2 | FITTING-ELBOW | |
| | 16 | 1 | **147-6522** | 1 | SPRING-AIR | |
| | 17 | 1 | **147-6523** | 1 | COMPRESSOR | |
| | 18 | 1 | **148-3749** | 1 | SCISSORS AS | |
| | 19 | 1 | **160-7765** | 1 | WASHER (16.26X22.23X1.97MM THK) | |
| B | 20 | 1 | **160-7766** | 3 | WASHER (16.26X22.23X0.51MM THK) | |
| B | 21 | 1 | **160-7767** | 8 | WASHER (3.68X12.57X0.51MM THK) | |
| | 22 | 1 | **164-5951** | 1 | HOUSING AS | |
| | | 1 | **2K-4973** | 1 | LOCKNUT (3/8-16 THD) | |
| | 23 | 1 | **2K-4973** | 3 | LOCKNUT (3/8-16 THD) | |
| | 24 | 1 | **5P-8167** | 1 | BOLT (3/8-16X0.625 IN) | |
| | 25 | 1 | **8M-3267** | 1 | SCREW-HEX SOCKET (3/8-16X0.75 IN) | |
| | 26 | 1 | **8T-2501** | 2 | BOLT (3/8-16X2 IN) | |
| BE | 27 | 1 | **147-6541** | | TUBE | |
| | 28 | 1 | **128-0613** | 1 | KIT-TETHER | |
| | | | | | (INCLUDES 2 TETHERS) | |
| JZ | 29 | 1 | | 27 | CLIP | |
| LZ | 30 | 1 | | 4 | ROLLER | |
| LZ | 31 | 1 | | 4 | BEARING | |
| PZ | 32 | 1 | | 1 | HARNESS | |
| PZ | 33 | 1 | | 1 | NUT | |
| PZ | | 1 | | 1 | WASHER (0.38X0.88X0.02 IN THK) | |
| PZ | | 1 | | 1 | WASHER | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| | | | **8Y-6928** | 1 | KIT-FASTENER (SEAT SUSPENSION) | |
| | | | | | (INCLUDES PARTS MARKED J) | |
| | | | **123-9128** | 1 | KIT-ROLLER | |
| | | | | | (INCLUDES PARTS MARKED L & TIE WRAP) | |
| | | | **123-8266** | 1 | KIT-WIRING HARNESS | |
| | | | | | (INCLUDES PARTS MARKED P & TIE WRAPS) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
J-INCLUDED IN 8Y6928 FASTENER KIT
L-INLCUDED IN 123-9128 ROLLER KIT
P-INLCUDED IN 123-8266 HARNESS KIT
Z-NOT SERVICED SEPARATELY

## 161-7539 SUSPENSION GP-SEAT *(contd.)* i01488973




GRAPHIC #1 g00536599

# OPERATOR STATION

## *158-7690* WASHER GP-WINDOW

**S/N: AKA1-UP**

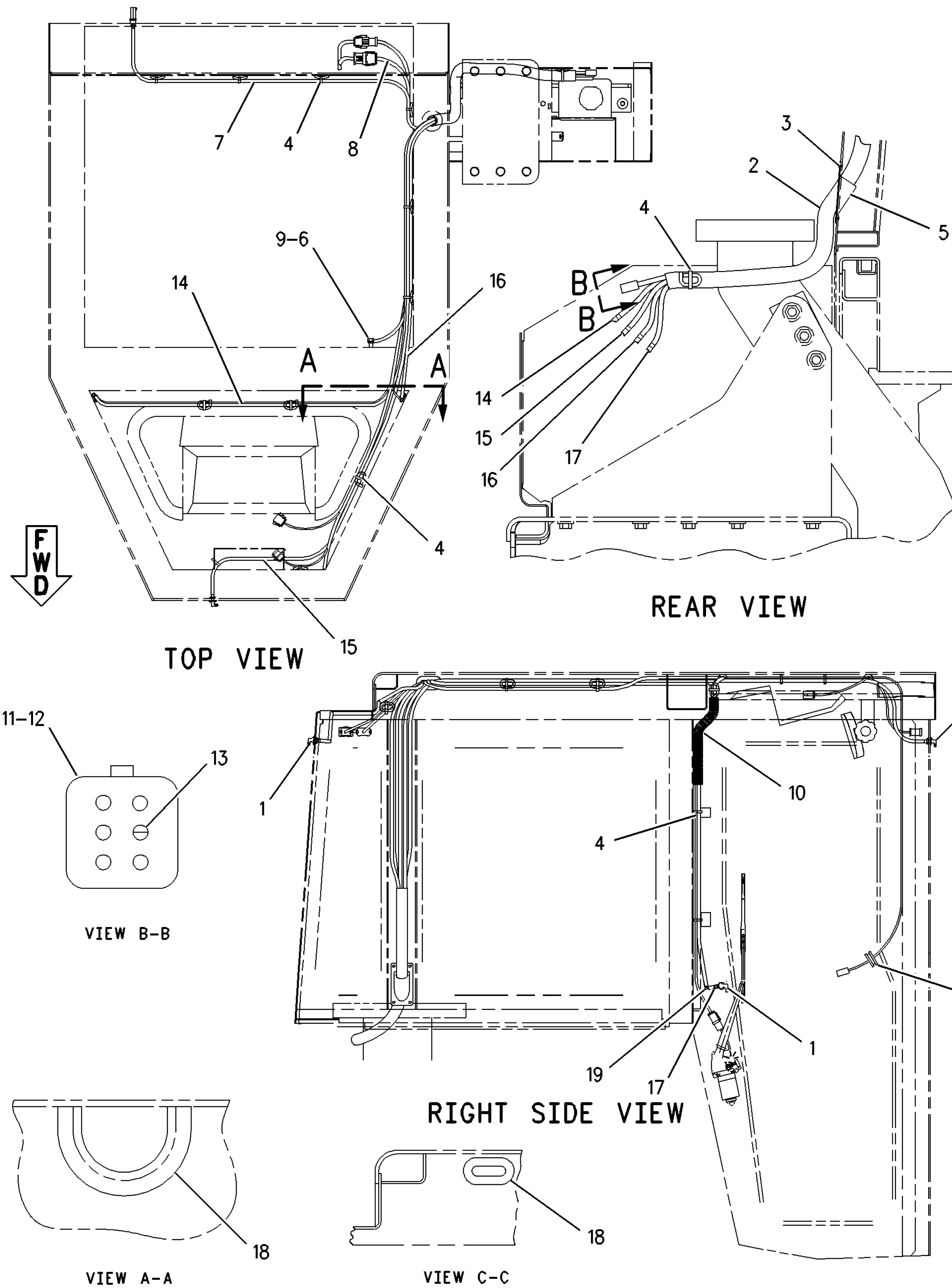
**PART OF 158-7694 CAB AR**

**SMCS-7306** **i01474793**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8T-5400** | 4 | CONNECTOR | |
| E | 2 | 1 | **7X-7702** | | CONDUIT-FLEXIBLE (83CM) | |
| | 3 | 1 | **9N-1995** | 4 | RIVET-POP | |
| | 4 | 1 | **3S-2093** | 19 | STRAP-CABLE | |
| | 5 | 1 | **8E-6856** | 1 | COVER | |
| M | 6 | 1 | **8T-4133** | 1 | NUT (M10X1.5 THD) | |
| E | 7 | 1 | **144-0195** | | HOSE (250CM) | |
| | 8 | 1 | **169-9635** | 1 | HARNESS AS | |
| | 9 | 1 | **8T-4896** | 1 | WASHER-HARD (10.2X18.5X2.5MM THK) | |
| D | 10 | 1 | **6V-5818** | | CONDUIT-FLEXIBLE (.8M) | |
| | 11 | 1 | **155-2274** | 1 | KIT-CONNECTING PLUG (6 PIN) | |
| | | | | | (INCLUDES PLUG AS & WEDGE) | |
| | | 1 | **102-8815** | 1 | SEAL-INTERFACE | |
| | 12 | 1 | **3E-3380** | 1 | WEDGE-PLUG LOCK | |
| | 13 | 1 | **8T-8737** | 1 | PLUG-SEAL | |
| E | 14 | 1 | **144-0195** | | HOSE (450CM) | |
| E | 15 | 1 | **144-0195** | | HOSE (350CM) | |
| E | 16 | 1 | **144-0195** | | HOSE (350CM) | |
| E | 17 | 1 | **144-0195** | 2 | HOSE (2CM EACH) | |
| | 18 | 1 | **7Y-3281** | 3 | GROMMET | |
| | 19 | 1 | **145-7328** | 2 | ELBOW-HOSE | |
| | 20 | 1 | **2G-8097** | 1 | MOUNTING | |

D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
M-METRIC PART

*158-7690* **WASHER GP-WINDOW** ***(contd.)*** **i01474793**




GRAPHIC #1

g00699988

## 8E-5112 WINDOW AS-SLIDING—REAR

**S/N: AKA1-UP**

**PART OF 158-7696 CAB GP**

**SMCS-7310** **i00720026**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | **6T-5008** | 1 | WINDOW GP | 854 |
| Y | *9N-4369* | 1 | WINDOW GP | 868 |

Y-SEPARATE ILLUSTRATION

# 8E-5113 WINDOW AS-SLIDING—RH

**S/N: AKA1-UP**

**PART OF 158-7696 CAB GP**

**SMCS-7310** **i00569833**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *6T-8402* | 1 | WINDOW GP-CAB | 855 |
| | | | -OR- | |
| Y | *8E-3446* | 1 | WINDOW GP-CAB | 859 |

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## 8E-5114 WINDOW AS-SLIDING—LH

**S/N: AKA1-UP**

**PART OF 158-7696 CAB GP**

**SMCS-7310** **i00570466**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *6T-8403* | 1 | WINDOW GP-CAB | 856 |
| | | | -OR- | |
| Y | *8E-3447* | 1 | WINDOW GP-CAB | 860 |

Y-SEPARATE ILLUSTRATION

# OPERATOR STATION

## 6T-5005 WINDOW GP-CAB—REAR

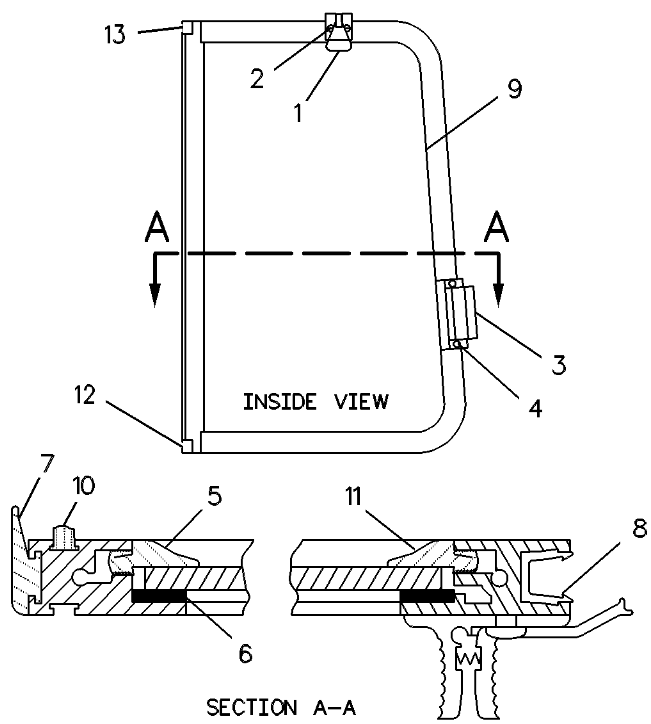
**S/N: AKA1-UP**

**PART OF 6T-5008 WINDOW GP-CAB**

**SMCS-7310** **i01166630**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3T-1121** | 1 | LOCK AS | |
| | 2 | 1 | **2H-6622** | 2 | SCREW-MACHINE | |
| | 3 | 1 | **9P-7860** | 1 | LOCK AS | |
| | 4 | 1 | **9P-7859** | 2 | SCREW | |
| D | 5 | 1 | **5P-5680** | | SEAL (.61M) | |
| EB | 6 | 1 | **9X-6268** | | TAPE | |
| D | 7 | 1 | **6V-5833** | | SEAL (.64M) | |
| D | 8 | 1 | **5P-8918** | | SEAL (1.4M) | |
| | 9 | 1 | **8Y-6447** | 1 | GLASS (TINTED) | |
| E | 10 | 1 | **8Y-6839** | | SEAL (63.5CM) | |
| D | 11 | 1 | **5P-5680** | | SEAL (1.3 M) | |
| | 12 | 1 | **117-5676** | 1 | SLIDE | |
| | 13 | 1 | **124-9775** | 1 | SLIDE | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00257563

## 6T-5008 WINDOW GP-CAB—REAR

**S/N: AKA1-UP**

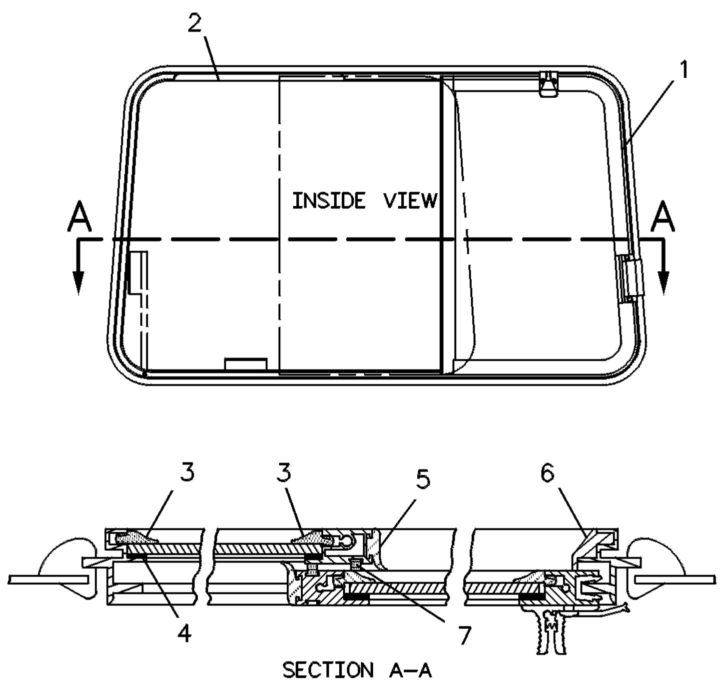
**SLIDING**

**PART OF 8E-5112 WINDOW AS-SLIDING**

**SMCS-7310** **i00569766**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **6T-5005** | 1 | WINDOW GP | 853 |
| | 2 | 1 | **9P-7855** | 1 | GLASS (TINTED) | |
| DB | 3 | 1 | **5P-5680** | | SEAL (3 M) | |
| EB | 4 | 1 | **9X-6268** | | TAPE | |
| BD | 5 | 1 | **6V-5833** | | SEAL (1 M) | |
| DB | 6 | 1 | **8T-0687** | | FILLER | |
| BE | 7 | 1 | **8Y-6839** | | SEAL (64 CM) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00246891

# *6T-8402* WINDOW GP-CAB—RH

S/N: AKA1-UP

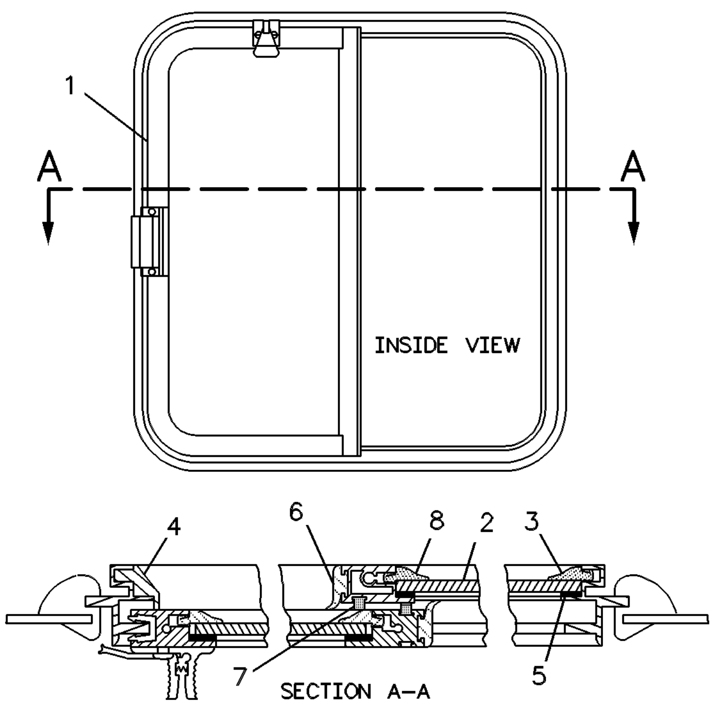
SLIDING

PART OF 8E-5113 WINDOW AS-SLIDING

SMCS-7310 i01502187

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **7T-1068** | 1 | WINDOW GP-CAB (RH) | 857 |
| | 2 | 1 | **7T-1330** | 1 | GLASS (TINTED) | |
| D | 3 | 1 | **5P-5680** | | SEAL (1.14M) | |
| DB | 4 | 1 | **8T-0687** | | FILLER | |
| EB | 5 | 1 | **9X-6268** | | TAPE | |
| D | 6 | 1 | **6V-5833** | | SEAL (.64M) | |
| E | 7 | 1 | **8Y-6839** | | SEAL (64 CM) | |
| D | 8 | 1 | **5P-5680** | | SEAL (.66M) | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00330572

# OPERATOR STATION

## *6T-8403* WINDOW GP-CAB—LH

**S/N: AKA1-UP**

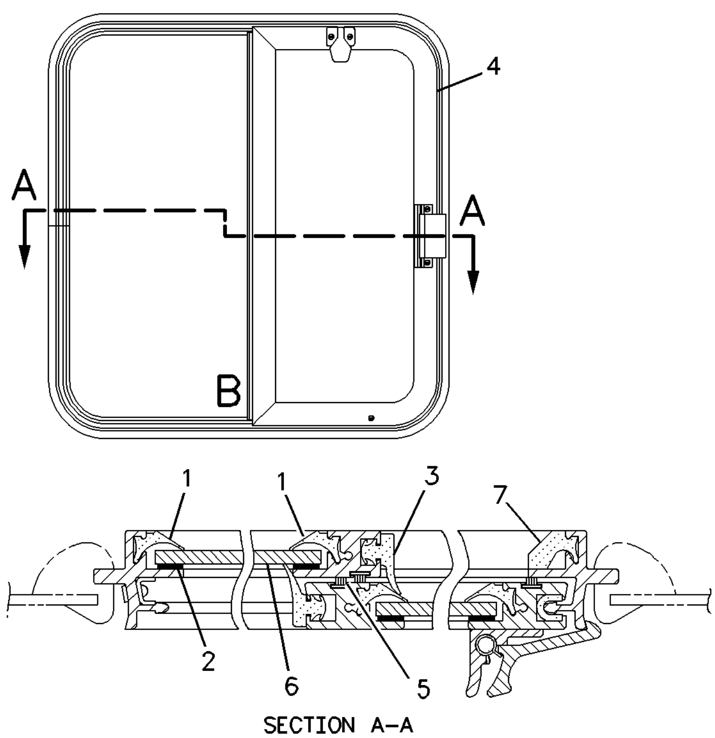
**SLIDING**

**PART OF 8E-5114 WINDOW AS-SLIDING**

**SMCS-7310** **i01502193**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BD | 1 | 1 | **5P-5680** | | SEAL | |
| BE | 2 | 1 | **9X-6268** | | TAPE | |
| BD | 3 | 1 | **6V-5833** | | SEAL | |
| Y | 4 | 1 | **7T-1069** | 1 | WINDOW GP-CAB (LH) | 858 |
| BE | 5 | 1 | **8Y-6839** | | SEAL | |
| | 6 | 1 | **7T-1330** | 1 | GLASS (TINTED) | |
| BD | 7 | 1 | **8T-0687** | | FILLER | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00757599

# 7T-1068 WINDOW GP-CAB—RH

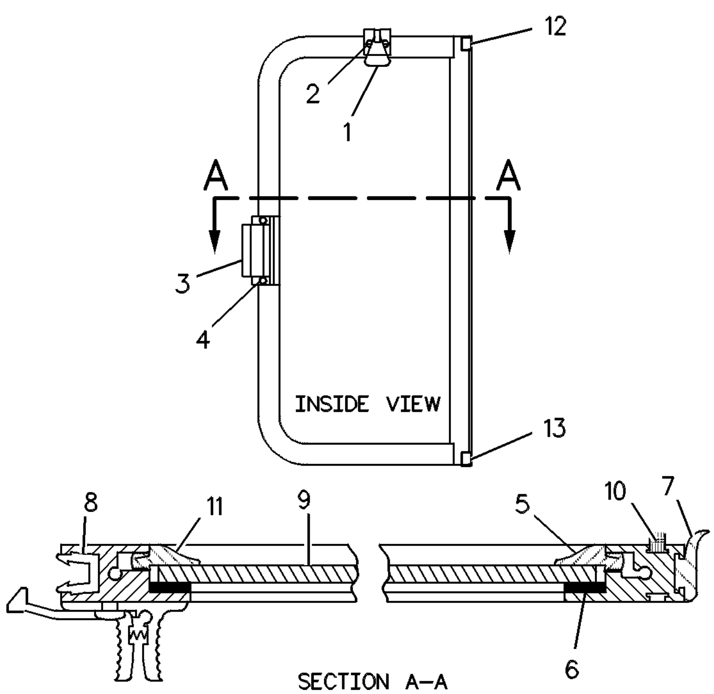
S/N: AKA1-UP

PART OF 6T-8402 WINDOW GP-CAB

SMCS-7310 i01138757

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3T-1121** | 1 | LOCK AS | |
| | 2 | 1 | **2H-6622** | 2 | SCREW-MACHINE | |
| | 3 | 1 | **9P-7860** | 1 | LOCK AS | |
| | 4 | 1 | **9P-7859** | 2 | SCREW | |
| BD | 5 | 1 | **5P-5680** | | SEAL (.61M) | |
| EB | 6 | 1 | **9X-6268** | | TAPE | |
| BD | 7 | 1 | **6V-5833** | | SEAL (.64M) | |
| BD | 8 | 1 | **5P-8918** | | SEAL (1.2M) | |
| | 9 | 1 | **8Y-6448** | 1 | GLASS | |
| BE | 10 | 1 | **8Y-6839** | | SEAL (64CM) | |
| BD | 11 | 1 | **5P-5680** | | SEAL (1.1M) | |
| | 12 | 1 | **124-9774** | 1 | SLIDE | |
| | 13 | 1 | **117-5677** | 1 | SLIDE | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00257169

# OPERATOR STATION

## 7T-1069 WINDOW GP-CAB—LH

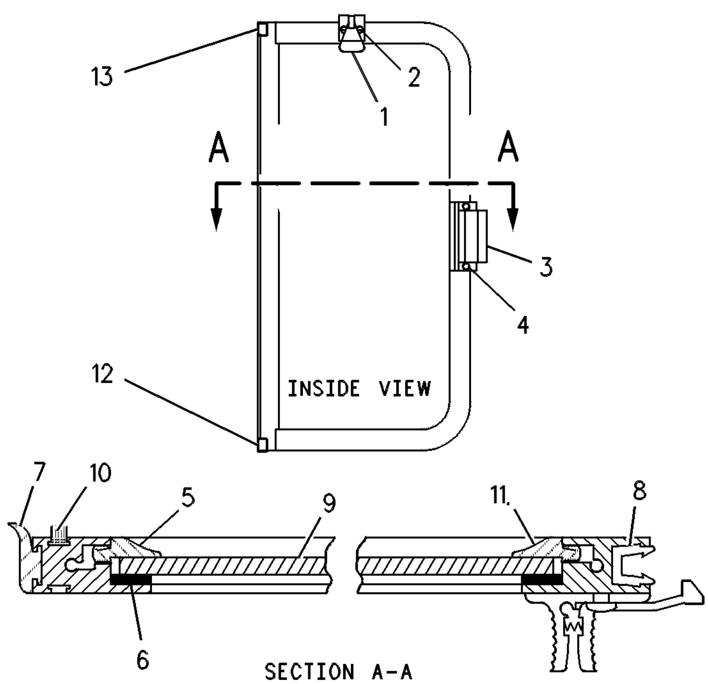
**S/N: AKA1-UP**

**PART OF 6T-8403 WINDOW GP-CAB**

**SMCS-7310** **i00753665**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3T-1121** | 1 | LOCK AS | |
| | 2 | 1 | **2H-6622** | 2 | SCREW-MACHINE | |
| | 3 | 1 | **9P-7860** | 1 | LOCK AS | |
| | 4 | 1 | **9P-7859** | 2 | SCREW | |
| D | 5 | 1 | **5P-5680** | | SEAL (.61M) | |
| EB | 6 | 1 | **9X-6268** | | TAPE | |
| D | 7 | 1 | **6V-5833** | | SEAL (.64M) | |
| D | 8 | 1 | **5P-8918** | | SEAL (1.2M) | |
| | 9 | 1 | **8Y-6448** | 1 | GLASS | |
| E | 10 | 1 | **8Y-6839** | | SEAL (64CM) | |
| D | 11 | 1 | **5P-5680** | | SEAL (1.1M) | |
| | 12 | 1 | **124-9774** | 1 | SLIDE | |
| | 13 | 1 | **117-5677** | 1 | SLIDE | |

B-USE AS REQUIRED
D-ORDER BY THE METER
E-ORDER BY THE CENTIMETER




GRAPHIC #1 g00326280

# OPERATOR STATION

## *8E-3446* WINDOW GP-CAB—RH

**S/N: AKA1-UP**

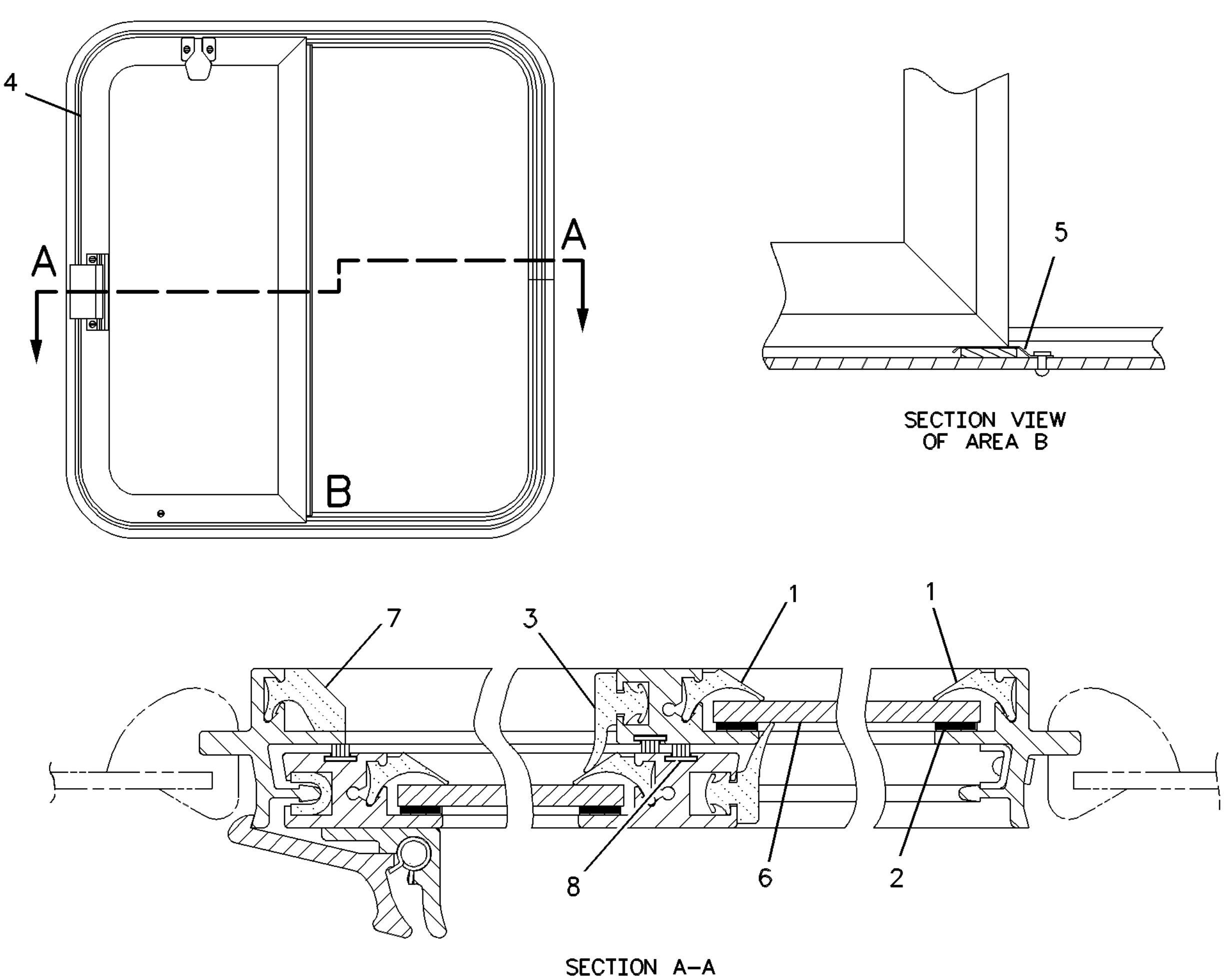
**SLIDING**

**PART OF 8E-5113 WINDOW AS-SLIDING**

**SMCS-7310** **i01502195**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **8Y-6423** | | SEAL | |
| BE | 2 | 1 | **8Y-6459** | | TAPE-BUTYL | |
| | 3 | 1 | **8Y-6430** | 1 | SEAL-WINDOW | |
| Y | 4 | 1 | **8Y-6433** | 1 | WINDOW GP-CAB (RH) | 864 |
| | 5 | 1 | **8Y-6462** | 1 | KIT-LEAF SPRING | |
| | | | | | (INCLUDES SPRING AS & RIVET) | |
| | 6 | 1 | **8Y-6432** | 1 | GLASS-FIXED-RH (TINTED) | |
| BE | 7 | 1 | **8Y-6424** | | SEAL | |
| BE | 8 | 1 | **8Y-6910** | | WEATHERSTRIP | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1

g00544799

## *8E-3447* WINDOW GP-CAB—LH

**S/N: AKA1-UP**

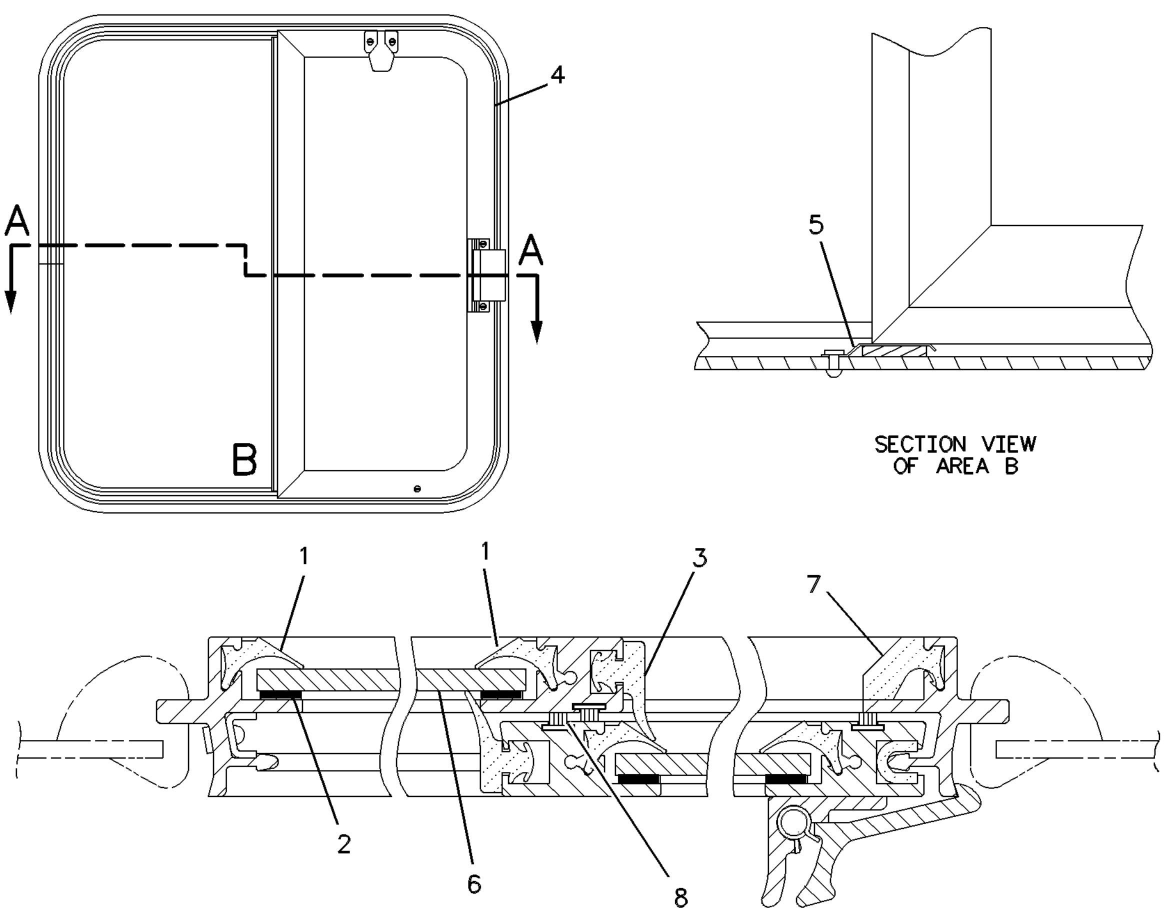
**SLIDING**

**PART OF 8E-5114 WINDOW AS-SLIDING**

**SMCS-7310** **i01502198**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **8Y-6423** | | SEAL | |
| BE | 2 | 1 | **8Y-6459** | | TAPE-BUTYL | |
| | 3 | 1 | **8Y-6430** | 1 | SEAL-WINDOW | |
| Y | 4 | 1 | **8Y-6420** | 1 | WINDOW GP-CAB (LH) | 862 |
| | 5 | 1 | **8Y-6462** | 1 | KIT-LEAF SPRING | |
| | | | | | (INCLUDES SPRING AS & RIVET) | |
| | 6 | 1 | **8Y-6419** | 1 | GLASS-FIXED-LH (TINTED) | |
| BE | 7 | 1 | **8Y-6424** | | SEAL | |
| BE | 8 | 1 | **8Y-6910** | | WEATHERSTRIP | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00544804

# MEMORANDA

# OPERATOR STATION

## 8Y-6420 WINDOW GP-CAB—LH

**S/N: AKA1-UP**

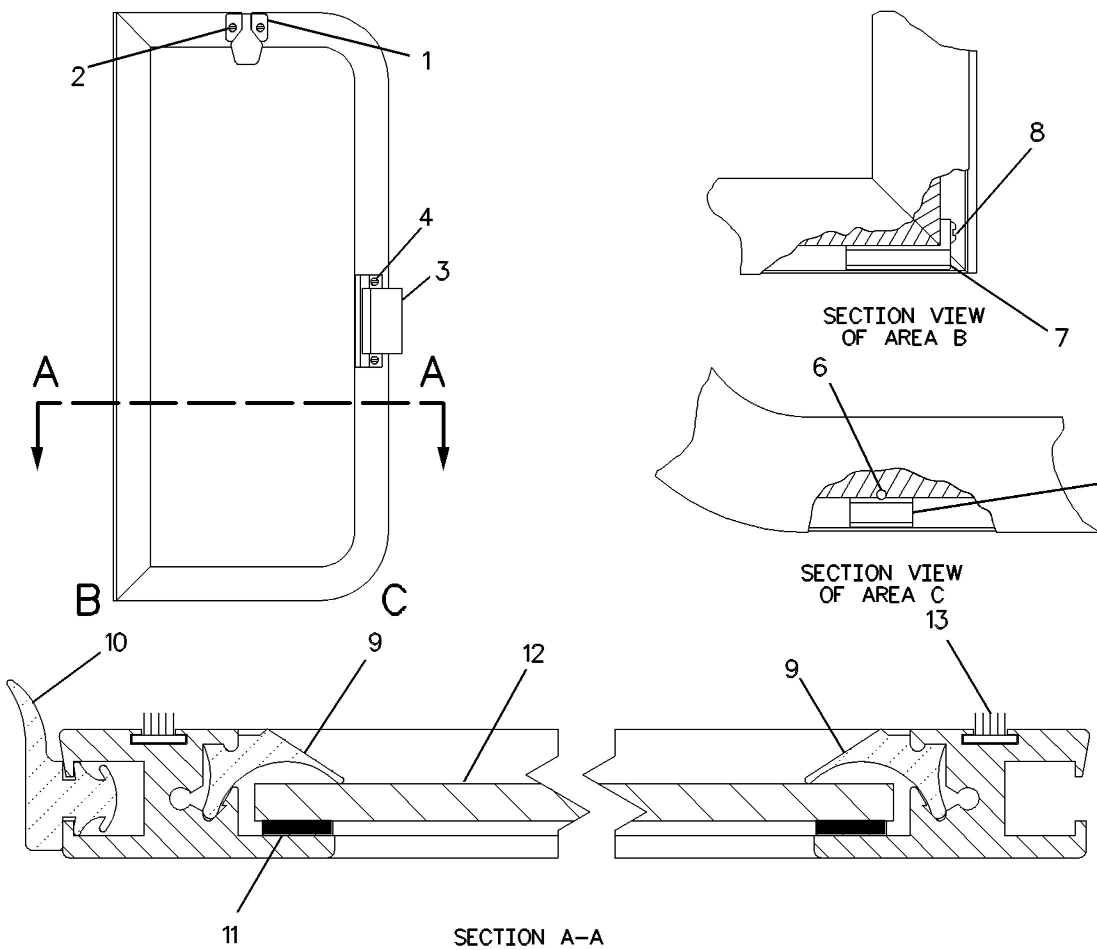
**PART OF 8E-3447 WINDOW GP-CAB**

**SMCS-7310** **i01094900**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8Y-6454** | 1 | KIT-CATCH | |
| | | | | | (INCLUDES CATCH AS & PARTS MARKED J) | |
| JM | 2 | 1 | **084-4111** | 2 | SCREW-PAN HEAD | |
| | 3 | 1 | **8Y-6455** | 1 | KIT-CATCH (INCLUDES CATCH AS & 2 SCREWS) | |
| M | 4 | 1 | **8T-4777** | 2 | SCREW-MACHINE (M5X0.8X12MM) | |
| | 5 | 1 | **8Y-6460** | 1 | KIT-RUNNER GUIDE (INCLUDES GUIDE & SCREW) | |
| | 6 | 1 | **3S-9557** | 2 | SCREW-PAN HEAD | |
| | 7 | 1 | **8Y-6461** | 1 | KIT-RUNNER GUIDE | |
| | | | | | (INCLUDES A GUIDE & PARTS MARKED L) | |
| LM | 8 | 1 | **6V-2312** | 2 | SCREW-MACHINE (M6X1X25MM) | |
| BE | 9 | 1 | **8Y-6423** | | SEAL | |
| | 10 | 1 | **8Y-6430** | 1 | SEAL-WINDOW | |
| BE | 11 | 1 | **8Y-6459** | | TAPE-BUTYL | |
| | 12 | 1 | **8Y-6422** | 1 | GLASS-SLIDER (TINTED) | |
| BE | 13 | 1 | **8Y-6910** | | WEATHERSTRIP | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
J-INCLUDED IN 8Y6454 CATCH KIT
L-INCLUDED IN 8Y6461 GUIDE RUNNER KIT
M-METRIC PART

**8Y-6420 WINDOW GP-CAB** *(contd.)* i01094900




GRAPHIC #1 g00544827

# 8Y-6433 WINDOW GP-CAB—RH

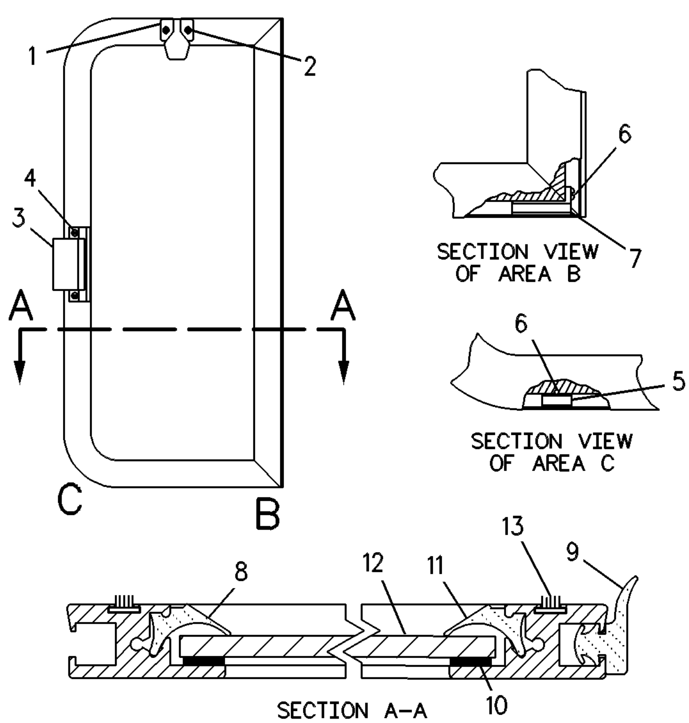
S/N: AKA1-UP

PART OF 8E-3446 WINDOW GP-CAB

SMCS-7310 i00757589

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8Y-6454** | 1 | KIT-CATCH (INCL CATCH AS & 2 SCREWS) | |
| M | 2 | 1 | **084-4111** | 2 | SCREW-PAN HEAD | |
| | 3 | 1 | **8Y-6455** | 1 | KIT-CATCH (INCL CATCH AS & 2 SCREWS) | |
| M | 4 | 1 | **8T-4777** | 2 | SCREW-MACHINE (M5X0.8X12MM) | |
| | 5 | 1 | **8Y-6460** | 1 | KIT-RUNNER GUIDE (INCL GUIDE & SCREW) | |
| M | 6 | 1 | **6V-2312** | 2 | SCREW-MACHINE (M6X1X25MM) | |
| | 7 | 1 | **8Y-6461** | 1 | KIT-RUNNER GUIDE (INCL GUIDE & SCREW) | |
| E | 8 | 1 | **8Y-6423** | | SEAL (125CM) | |
| | 9 | 1 | **8Y-6430** | 1 | SEAL-WINDOW | |
| BE | 10 | 1 | **8Y-6459** | | TAPE-BUTYL | |
| E | 11 | 1 | **8Y-6423** | | SEAL (59CM) | |
| | 12 | 1 | **8Y-6431** | 1 | GLASS-SLIDER-RH (TINTED) | |
| BE | 13 | 1 | **8Y-6910** | | WEATHERSTRIP | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
M-METRIC PART




GRAPHIC #1 g00326281

# MEMORANDA

# OPERATOR STATION

## 8Y-6446 WINDOW GP-CAB—REAR

**S/N: AKA1-UP**

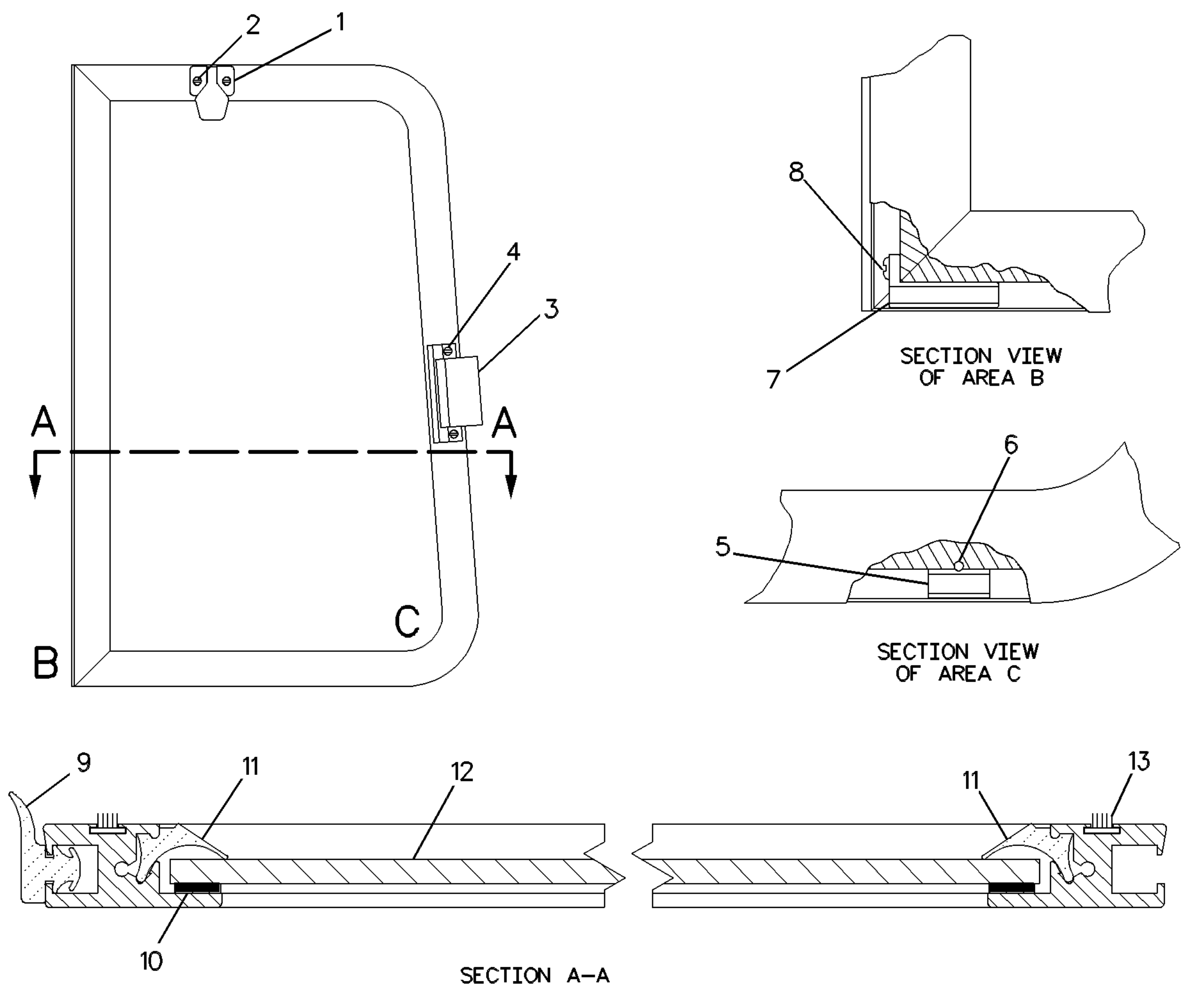
**PART OF 9N-4369 WINDOW GP-CAB**

**SMCS-7310** **i01502199**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **8Y-6454** | 1 | KIT-CATCH | |
| | | | | | (INCLUDES CATCH AS & 2 SCREWS) | |
| M | 2 | 1 | **084-4111** | 2 | SCREW-PAN HEAD | |
| | 3 | 1 | **8Y-6455** | 1 | KIT-CATCH | |
| | | | | | (INCLUDES CATCH AS & 2 SCREWS) | |
| M | 4 | 1 | **8T-4777** | 2 | SCREW-MACHINE (M5X0.8X12MM) | |
| | 5 | 1 | **8Y-6460** | 1 | KIT-RUNNER GUIDE | |
| | | | | | (INCLUDES GUIDE & SCREW) | |
| M | 6 | 1 | **6V-2312** | 1 | SCREW-MACHINE (M6X1X25MM) | |
| | 7 | 1 | **8Y-6461** | 1 | KIT-RUNNER GUIDE | |
| | | | | | (INCLUDES GUIDE & SCREW) | |
| M | 8 | 1 | **6V-2312** | 1 | SCREW-MACHINE (M6X1X25MM) | |
| | 9 | 1 | **8Y-6430** | 1 | SEAL-WINDOW | |
| EB | 10 | 1 | **8Y-6459** | | TAPE-BUTYL | |
| EB | 11 | 1 | **8Y-6423** | | SEAL | |
| | 12 | 1 | **8Y-6443** | 1 | GLASS-REAR SLIDER (TINTED) | |
| EB | 13 | 1 | **8Y-6910** | | WEATHERSTRIP | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
M-METRIC PART

## 8Y-6446 WINDOW GP-CAB *(contd.)* i01502199




GRAPHIC #1 g00544049

# *9N-4369* WINDOW GP-CAB—REAR

**S/N: AKA1-UP**

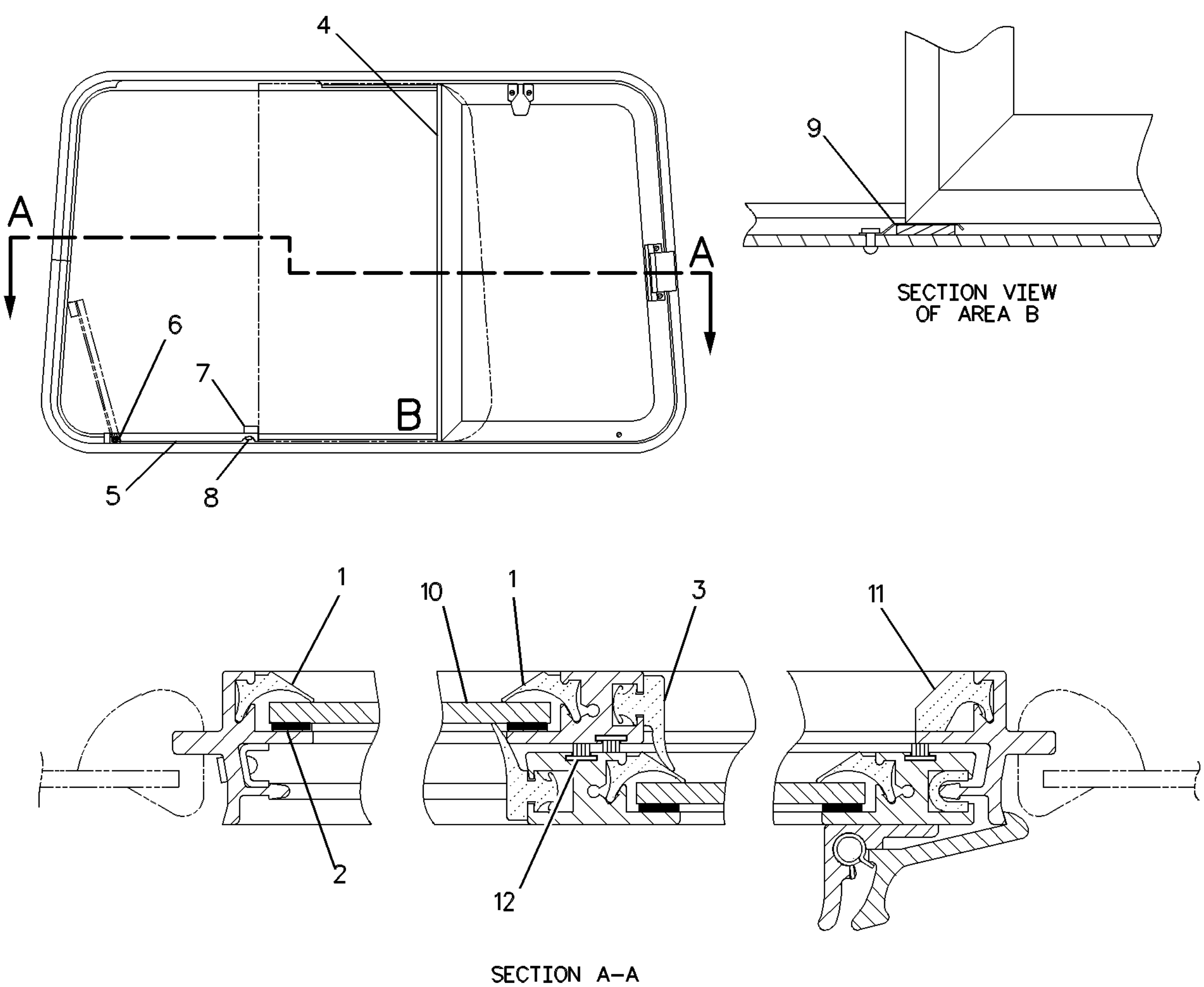
**SLIDING**

**PART OF 8E-5112 WINDOW AS-SLIDING**

**SMCS-7310** **i01502202**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| BE | 1 | 1 | **8Y-6423** | | SEAL | |
| BE | 2 | 1 | **8Y-6459** | | TAPE-BUTYL | |
| | 3 | 1 | **8Y-6430** | 1 | SEAL-WINDOW | |
| Y | 4 | 1 | **8Y-6446** | 1 | WINDOW GP-CAB (REAR) | 866 |
| | 5 | 1 | **8Y-6463** | 1 | KIT-STOP RAIL | |
| JM | 6 | 1 | **8C-4982** | 1 | BOLT-SOCKET HEAD (M4X0.7X20 MM) | |
| J | 7 | 1 | **8Y-6428** | 1 | STOP-RUBBER | |
| J | 8 | 1 | **8Y-6429** | 1 | CLIP | |
| | 9 | 1 | **8Y-6462** | 1 | KIT-LEAF SPRING | |
| | | | | | (INCLUDES SPRING AS & RIVET) | |
| | 10 | 1 | **8Y-6445** | 1 | GLASS-FIXED REAR (TINTED) | |
| BE | 11 | 1 | **8Y-6424** | | SEAL (115CM) | |
| BE | 12 | 1 | **8Y-6910** | | WEATHERSTRIP (68CM) | |

B-USE AS REQUIRED
E-ORDER BY THE CENTIMETER
J-INCLUDED IN 8Y6463 STOP RAIL KIT
M-METRIC PART
Y-SEPARATE ILLUSTRATION




GRAPHIC #1 g00544830

# MEMORANDA

# OPERATOR STATION

## *158-7691* WIPER GP-WINDOW

**S/N: AKA1-UP**

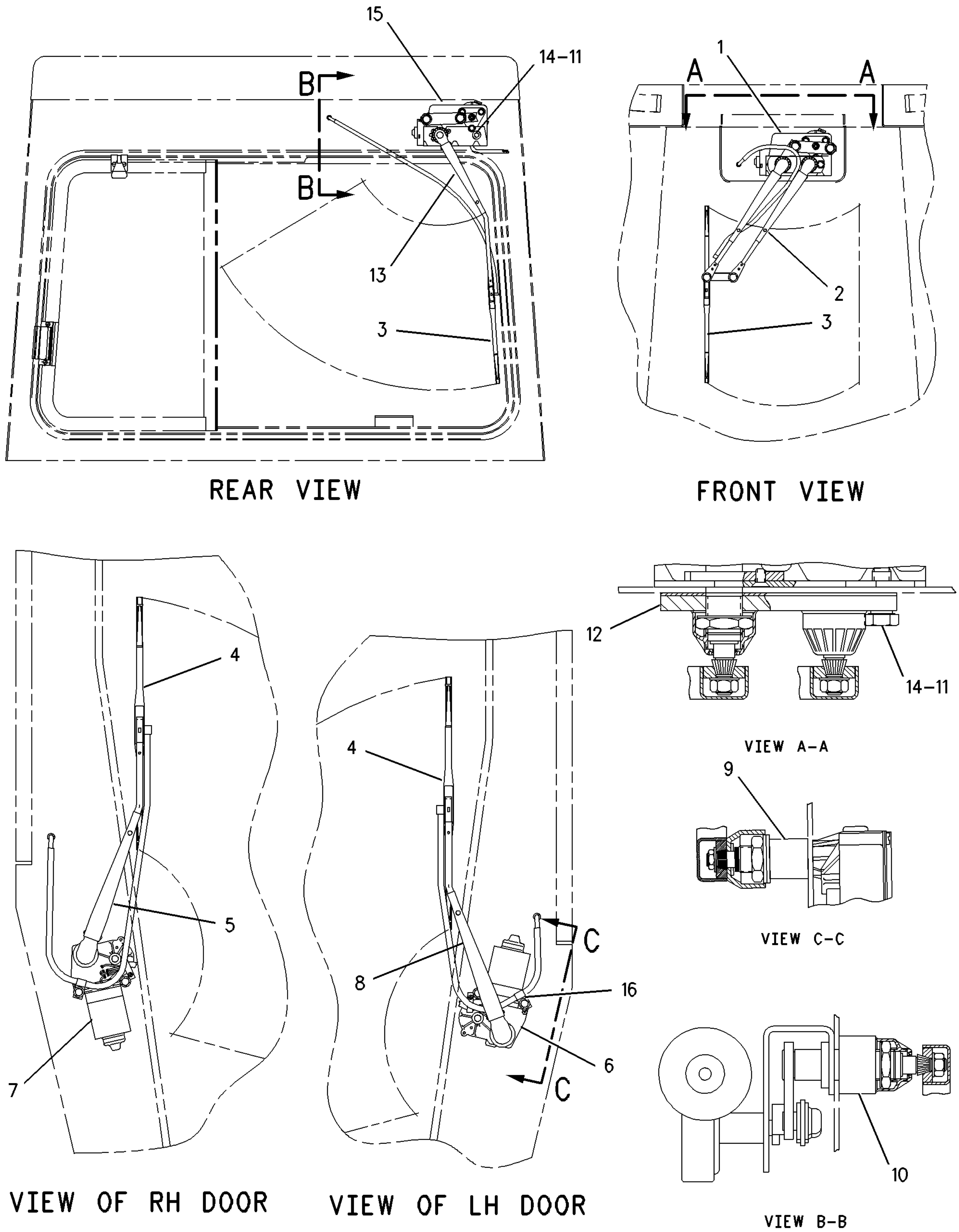
**PART OF 158-7694 CAB AR**

**SMCS-7305** **i01475572**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| Y | 1 | 1 | **147-7976** | 1 | MOTOR GP-WINDOW WIPER (FRONT) | 802 |
| | 2 | 1 | **145-8741** | 1 | ARM AS-WIPER | |
| J | 3 | 1 | **6V-5851** | 2 | BLADE AS-WIPER (FRONT & REAR) | |
| J | 4 | 1 | **6V-5849** | 2 | BLADE AS-WIPER (RH & LH DOORS) | |
| | 5 | 1 | **151-0254** | 1 | ARM AS-WIPER | |
| Y | 6 | 1 | **117-1882** | 1 | MOTOR AS-WINDOW WIPER (LH DOOR) | 801 |
| Y | 7 | 1 | **117-1881** | 1 | MOTOR AS-WINDOW WIPER (RH DOOR) | 800 |
| | 8 | 1 | **151-0255** | 1 | ARM AS-WIPER | |
| | 9 | 1 | **7T-8361** | 2 | SPACER | |
| | 10 | 1 | **8V-5455** | 1 | BOSS | |
| | 11 | 1 | **6N-7523** | 2 | WASHER (6.48X11.9X1.57MM THK) | |
| Y | 12 | 1 | *6V-6561* | 1 | WIPER PIVOT GP | 872 |
| | 13 | 1 | **151-0256** | 1 | ARM AS | |
| M | 14 | 1 | **6V-7357** | 2 | BOLT (M6X1.0X25MM) | |
| Y | 15 | 1 | **147-7979** | 1 | MOTOR GP-WINDOW WIPER (REAR) | 803 |
| | 16 | 1 | **9N-2061** | 2 | CLIP (7.94MM ID) | |
| | | | | | AVAILABLE REPAIR KIT(S): | |
| J | | | **8C-5060** | | KIT-WIPER BLADE | |

J-REPAIR KIT MARKED J AVAILABLE FOR PART MARKED J
M-METRIC PART
Y-SEPARATE ILLUSTRATION

*158-7691* **WIPER GP-WINDOW** ***(contd.)*** **i01475572**




GRAPHIC #1

g00675513

## *6V-6561* WIPER PIVOT GP

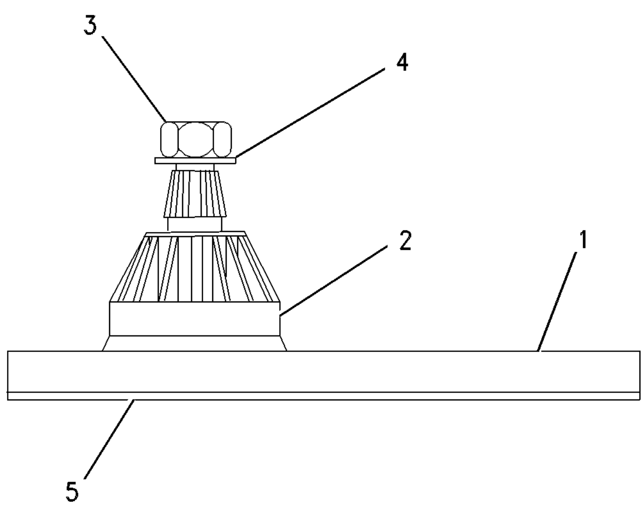
**S/N: AKA1-UP**

**PART OF 158-7691 WIPER GP-WINDOW**

**SMCS-7305** **i01177978**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **6V-6207** | 1 | SHAFT AS-PIVOT | |
| | 2 | 1 | **6V-6209** | 1 | CAP | |
| M | 3 | 1 | **6V-6889** | 1 | NUT (M8X1.25 THD) | |
| | 4 | 1 | **6A-9718** | 1 | WASHER (M8.1X12.5X1MM THK) | |
| | 5 | 1 | **6V-6210** | 1 | GASKET-SHAFT | |

M-METRIC PART




GRAPHIC #1 g00316575

# MEMORANDA

# *173-1643* FILM GP

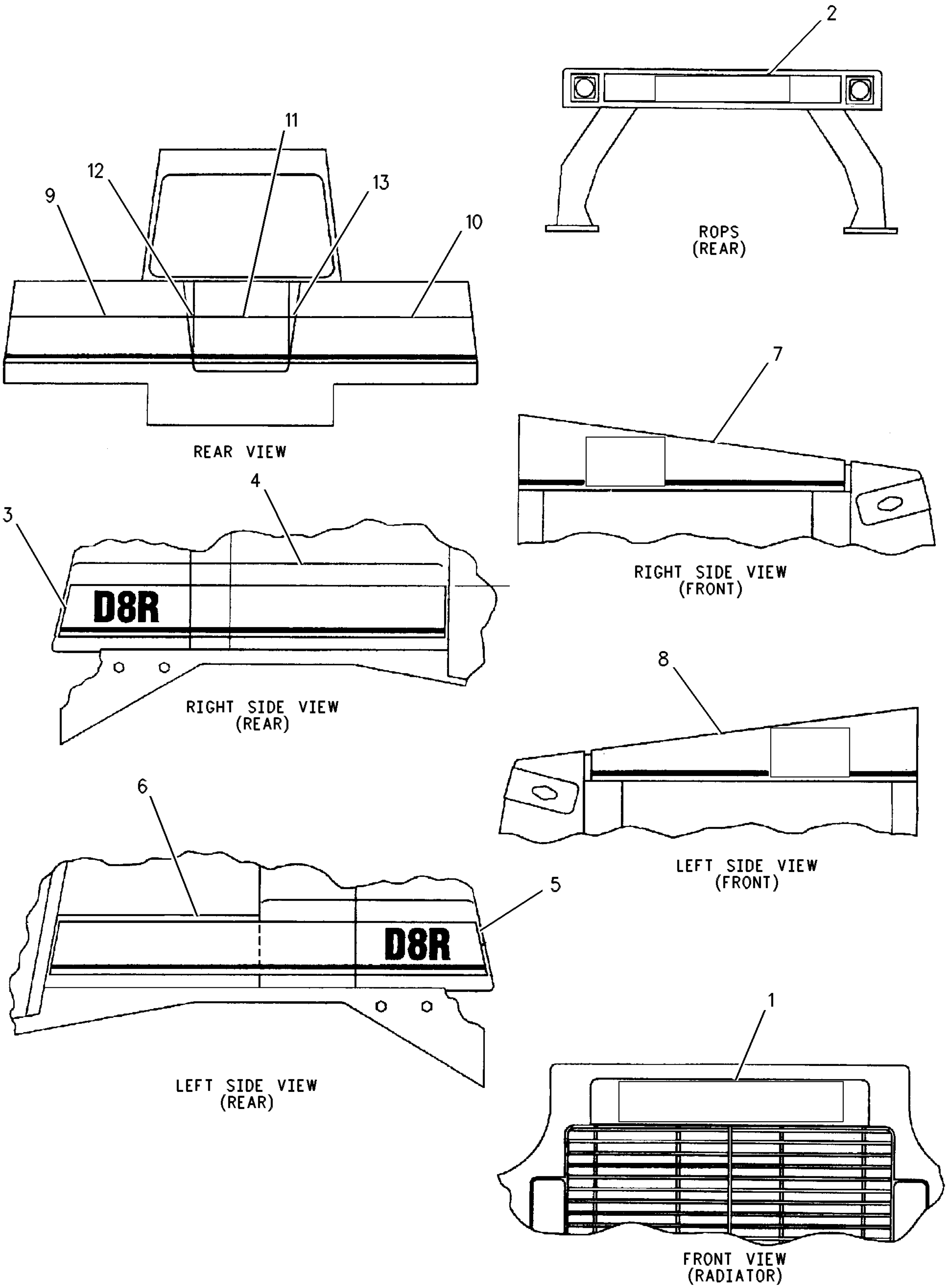
**S/N: AKA1-UP**

**PART OF 159-8022 PLATE & FILM GP**

**SMCS-7000** **i01437092**

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **3E-6603** | 1 | FILM-STRIPE (CATERPILLAR) | |
| | 2 | 1 | **127-8831** | 1 | FILM-STRIPE | |
| | 3 | 1 | **122-0573** | 1 | FILM-D8R | |
| | 4 | 1 | **110-0978** | 1 | FILM-STRIPE-RH | |
| | 5 | 1 | **122-0574** | 1 | FILM-D8R | |
| | 6 | 1 | **183-6765** | 1 | FILM-STRIPE-LH | |
| | 7 | 1 | **173-1644** | 1 | FILM-STRIPE (CAT) | |
| | 8 | 1 | **173-1645** | 1 | FILM-STRIPE (CAT) | |
| | 9 | 1 | **119-6625** | 1 | FILM-STRIPE | |
| | 10 | 1 | **119-6626** | 1 | FILM-STRIPE | |
| | 11 | 1 | **119-6628** | 1 | FILM-STRIPE | |
| | 12 | 1 | **119-6629** | 1 | FILM-STRIPE | |
| | 13 | 1 | **119-6630** | 1 | FILM-STRIPE | |

*173-1643* **FILM GP** ***(contd.)*** **i01437092**




GRAPHIC #1

g00583932

# 8F-9866 GREASE GUN GP

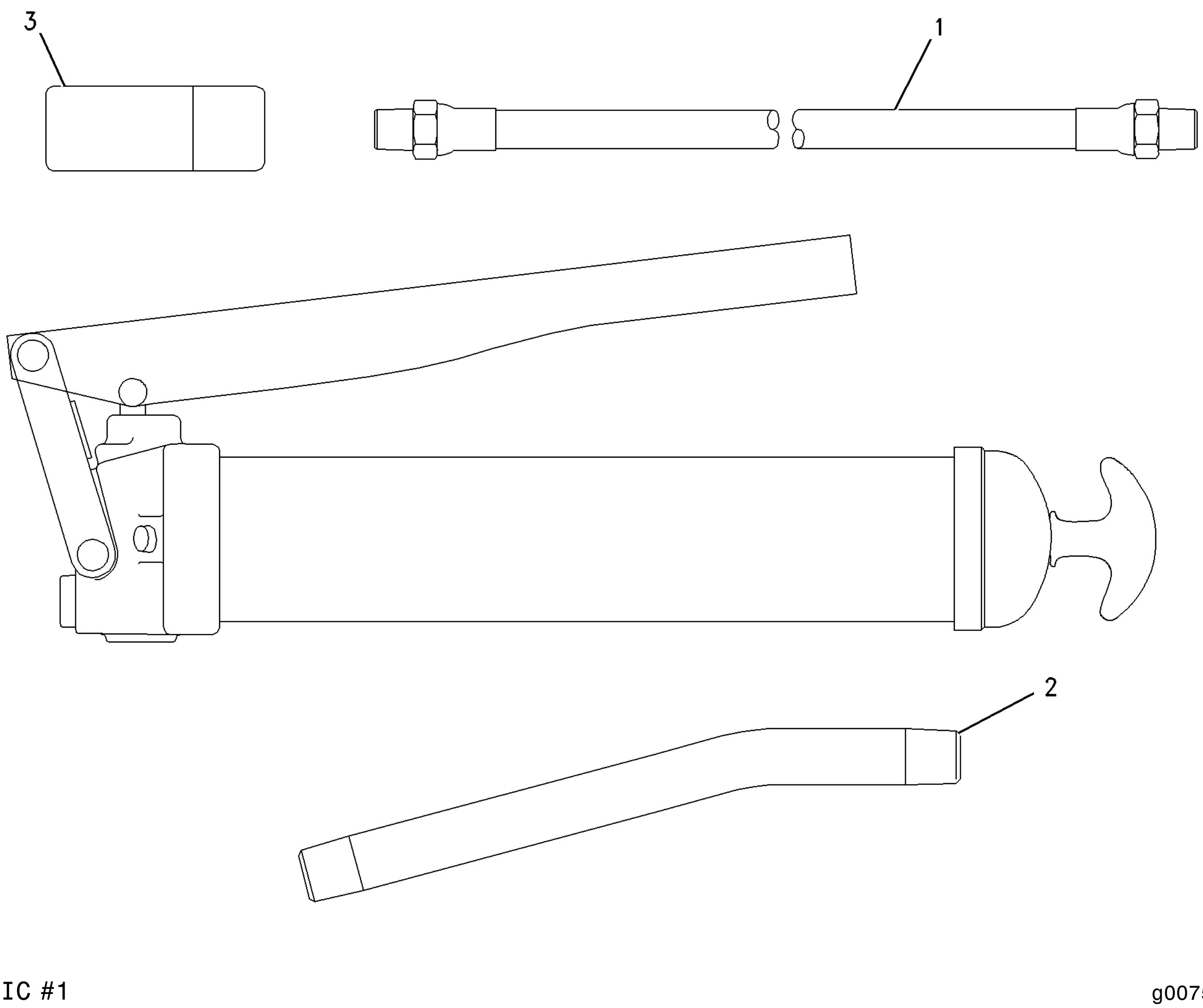
S/N: AKA1-UP

PART OF 9S-7977 TOOL GP-HAND

SMCS-0646 i01440821

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| C | 1 | 1 | **190-1669** | 1 | HOSE AS | |
| | 2 | 1 | **9F-2637** | 1 | FITTING | |
| C | 3 | 1 | **190-1668** | 1 | COUPLER-GREASE | |

C-CHANGE FROM PREVIOUS TYPE




GRAPHIC #1 g00752624

# SERVICE EQUIPMENT AND SUPPLIES

## *5P-2352* PLATE & FILM GP

**S/N: BHD1-UP**

**PART OF 153-3130 RIPPER AR**

**SMCS-7557, 7563** **i01442141**

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | *2Y-9790* | 1 | PLATE-SERIAL NUMBER | |
| | | | ON CYLINDER TOWER | |
| | | | | |
| | **4B-4158** | 2 | SCREW-DRIVE (3/16X0.25 IN) | |

# *5P-4963* PLATE & FILM GP

**S/N: CXB1-UP; CXL1-UP; BHR1-UP; BHW1-UP**

**PART OF 159-1633, 159-8377, 159-8378 BULLDOZER AR, 159-1628 BULLDOZER AR-SEMI-UNIVERSAL, 159-1629 BULLDOZER AR-UNIVERSAL**

**SMCS-7557, 7563** **i01034631**

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **2Y-9790** | 1 | PLATE-SERIAL NUMBER | |
| | **4B-4158** | 2 | SCREW-DRIVE | |

# MEMORANDA

# *159-8022* PLATE & FILM GP

S/N: AKA1-UP

PART OF 157-0819 CHASSIS AR

SMCS-7557, 7563 i01486708

| NOTE | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| Y | *173-1643* | 1 | FILM GP | 874 |
| | | | | |
| A | **3N-3790** | 1 | PLATE-SERIAL NUMBER (ENGINE) | |
| | | | ON UPPER RH CORNER OF CYLINDER BLOCK | |
| | **8T-9905** | 1 | PLATE-IDENTIFICATION (TRANSMISSION OIL FILL TUBE) | |
| | | | ON TRANSMISSION OIL FILL CAP | |
| | **9X-6189** | 1 | PLATE (IDENTIFICATION NUMBER) | |
| | | | ON TOP LH CORNER OF REAR FACE OF CASE & FRAME | |
| | **159-4719** | 1 | PLATE-ROPS/FOPS | |
| | | | REAR CENTER ON ROPS ROLLOVER AS | |
| | **174-4590** | 1 | PLATE-INFORMATION | |
| | | | ON STEEL AREA OF LH DASH UPRIGHT WITH TACK FASTENERS | |
| | **189-0488** | 1 | PLATE-WARNING (UNIVERSAL) | |
| | | | ON UPPER LEDGE OF LH CONSOLE OF OPERATORS STATION-READABLE FROM RH SIDE OF TRACTOR | |
| | **202-9824** | 1 | PLATE-INFORMATION | |
| | | | NEAR SERVICE INFORMATION PLATE | |
| | **8T-9530** | 10 | TACK-FASTENER | |
| | **9F-6656** | 1 | RING-RETAINING | |
| | **9N-1995** | 4 | RIVET-POP | |
| | **039-6360** | 4 | RIVET | |
| | | | | |
| | **1P-2807** | 4 | FILM (LIFT EYE LOCATION) | |
| | | | FOR MACHINES WITHOUT RIPPER, ON TRACK ROLLER FRAME BETWEEN FRONT IDLER & FRONT ROLLER AND BETWEEN REAR IDLER & REAR | |
| | | | ROLLER (2 EACH SIDE) | |
| | | | FOR MACHINES WITH RIPPER, ON TRACK ROLLER FRAME BETWEEN FRONT IDLER & FRONT ROLLER AND ON REAR OF RIPPER FRAME | |
| | **3E-2378** | 1 | FILM-INSTRUCTION (PIVOT SHAFT LUBRICATION) | |
| | | | ON TOP OF PIVOT SHAFT BOTTLE | |
| | **5P-9884** | 1 | FILM-HYDRAULIC OIL | |
| | | | ON HYDRAULIC TANK | |
| | **6V-4611** | 1 | FILM-WARNING (JUMPER CABLE) | |
| | | | ON UNDERSIDE OF BATTERY CONPARTMENT COVER | |
| | **7X-7644** | 8 | FILM-TIE DOWN | |
| | | | 1-FRONT TOWING EYE | |
| | | | 6-ON TRACK ROLLER FRAMES AT FRONT & REAR MAJOR CARTRIDGE PINS & CENTERED BETWEEN FRONT & REAR IDLERS (3 EACH SIDE) | |
| | | | 1-AT REAR ON RETRIEVAL HITCH OR RIPPER FRAME. NOT REQUIRED ON MACHINES WITHOUT HITCH OR RIPPER | |
| | **8C-3221** | 1 | FILM-OIL LEVEL (TRANSMISSION) | |
| | | | ON INSIDE OF HYD. ENCLOSURE GP | |
| | **8C-8821** | 1 | FILM-IDENTIFICATION | |
| | | | ON FUEL FILTER | |
| | **8C-8902** | 1 | FILM-IDENTIFICATION (ENGINE OIL FILTER) | |
| | | | ON OIL FILTER | |
| | **8T-2896** | 2 | FILM-NOTICE | |
| | | | AT CENTER OF PIVOT SHAFT COVER | |
| | **8T-4999** | 1 | FILM-INSTRUCTION (BATTERY DISCONNECT) | |
| | | | ON FACE OF DISCONNECT SWITCH | |
| | **9X-6200** | 1 | FILM-NOTICE | |
| | | | ON RH MAIN FRAME BELOW FENDER | |

## *159-8022* **PLATE & FILM GP** *(contd.)* i01486708

| NOTE | PART NUMBER | QTY | PART NAME<br>1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|
| | **9X-6340** | 1 | FILM-INSTRUCTION (ENGINE OIL) | |
| | | | ON OIL FILL TUBE | |
| | **102-2913** | 1 | FILM-INSTRUCTION (DOZER CONTROL) | |
| | | | ON RAISED SURFACE TO THE RIGHT OF CONTROL | |
| | **134-7258** | 1 | FILM-IDENTIFICATION (EXTENDED LIFE COOLANT) | |
| | | | ON INSIDE OF DOOR TO RADIATOR FILL | |
| | **142-2769** | 1 | FILM-NOTICE (STEERING) | |
| | | | ON TOP OF DIFFERENTIAL STEERING CONTROL | |
| | **152-1482** | 1 | FILM-IDENTIFICATION | |
| | | | HYDRAULIC CONTROL LOCK NEXT TO KNOB | |
| | **169-2876** | 2 | FILM-IDENTIFICATION (12 VOLT) | |
| | | | 1-ON REAR RH CONSOLE | |
| | | | 1-ON REAR CONSOLE BEHIND OPERATORS SEAT | |
| | **164-9999** | 1 | FILM-INSTRUCTION | |
| | | | VERTICALLY ON REAR OF BATTERY BOX PANEL | |
| | **159-8028** | 1 | FILM-MONITOR | |
| | | | ON EMS MODULE INSTRUMENT PANEL | |

A-NOT PART OF THIS GROUP
Y-SEPARATE ILLUSTRATION

# *9S-7977* TOOL GP-HAND

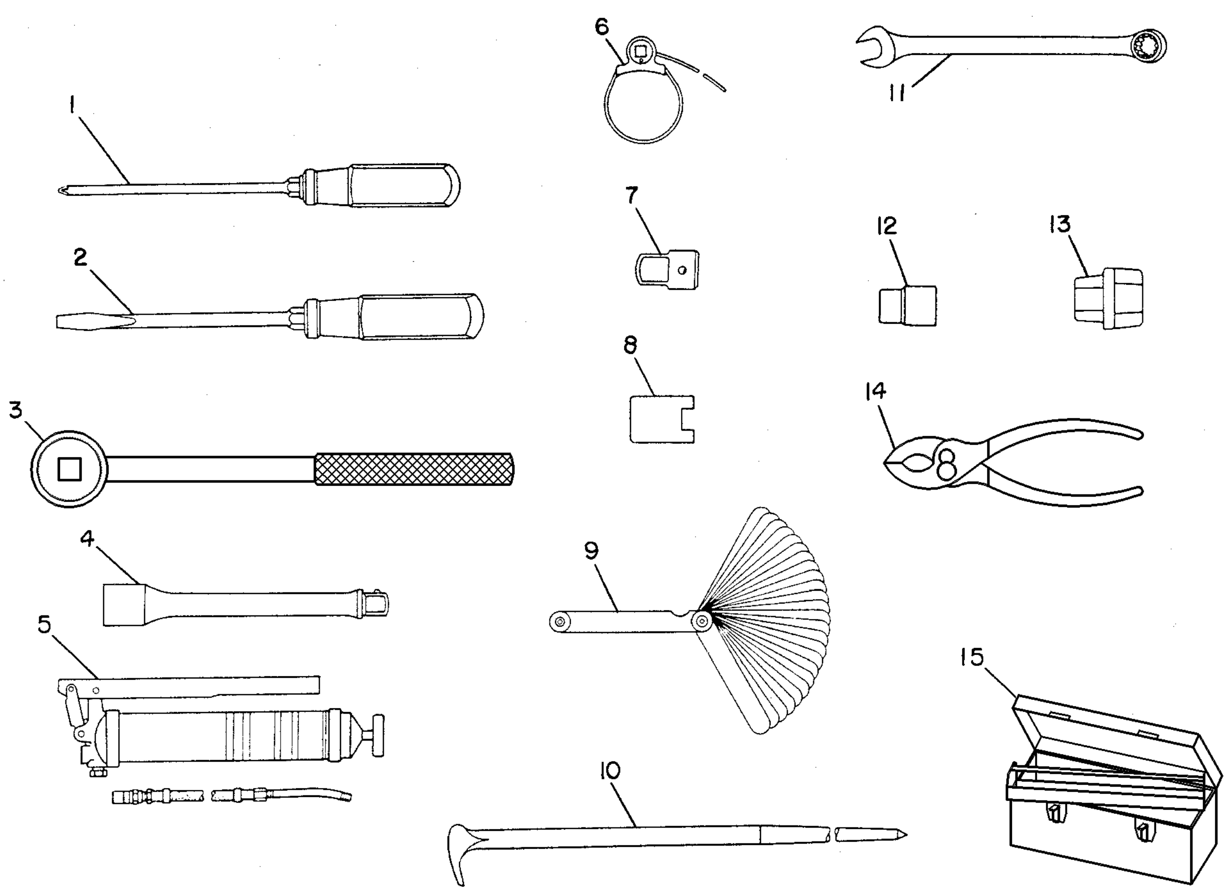
S/N: AKA1-UP

SMCS-0600, 0601, 0602, 0603, 0604, 0605, 0606, 0607, 7259 i01440354

| NOTE | REF NO | GRAPHIC REF | PART NUMBER | QTY | PART NAME 1 2 3 4 5 6 (PRODUCT LEVEL) | SEE PAGE |
|---|---|---|---|---|---|---|
| | 1 | 1 | **1U-7267** | 1 | SCREWDRIVER (NO. 2 PHILLIPS) | |
| | 2 | 1 | **1U-7264** | 1 | SCREWDRIVER | |
| | 3 | 1 | **1U-7115** | 1 | RATCHET-REVERSE | |
| | 4 | 1 | **1U-7118** | 1 | EXTENSION (SOCKET-10 IN LG) | |
| | | 1 | **1U-7119** | 1 | EXTENSION (SOCKET-5 IN LG) | |
| Y | 5 | 1 | **8F-9866** | 1 | GREASE GUN GP (LEVER) | 876 |
| | 6 | 1 | **185-3630** | 1 | WRENCH AS-STRAP | |
| | 7 | 1 | **5S-9568** | 1 | SOCKET-DRAIN PLUG | |
| C | 8 | 1 | **5P-1763** | 1 | SOCKET-VALVE | |
| | 9 | 1 | **1U-7234** | 1 | GAUGE GP-FEELER | |
| | 10 | 1 | **5F-4764** | 1 | BAR-PRY | |
| | 11 | 1 | **1U-7053** | 1 | WRENCH (5/16 OPENING) | |
| | | 1 | **1U-7054** | 1 | WRENCH (3/8 OPENING) | |
| | | 1 | **1U-7056** | 1 | WRENCH-COMBINATION (1/2 IN) | |
| | | 1 | **1U-7057** | 1 | WRENCH (9/16 IN.) | |
| | | 1 | **1U-7058** | 1 | WRENCH | |
| | | 1 | **1U-7060** | 1 | WRENCH (3/4 IN.) | |
| | | 1 | **1U-7062** | 1 | WRENCH | |
| | | 1 | **1U-7064** | 1 | WRENCH (1IN OPENING) | |
| C | 12 | 1 | **1U-7099** | 1 | SOCKET (1/2 OPENING) | |
| | | 1 | **1U-7102** | 1 | SOCKET (9/16 IN.) | |
| | | 1 | **1U-7107** | 1 | SOCKET (7/8 IN.) | |
| | | 1 | **1U-7108** | 1 | SOCKET | |
| | | 1 | **1U-7109** | 1 | SOCKET (1 IN.) | |
| | | 1 | **1U-7111** | 1 | SOCKET (1-1/8 OPENING) | |
| | 13 | 1 | **5S-9569** | 1 | SOCKET | |
| | 14 | 1 | **9U-7509** | 1 | PLIERS | |
| | 15 | 1 | **9U-6219** | 1 | TOOL BOX | |

C-CHANGE FROM PREVIOUS TYPE
Y-SEPARATE ILLUSTRATION

*9S-7977* **TOOL GP-HAND** ***(contd.)*** **i01440354**




GRAPHIC #1 g00237896

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